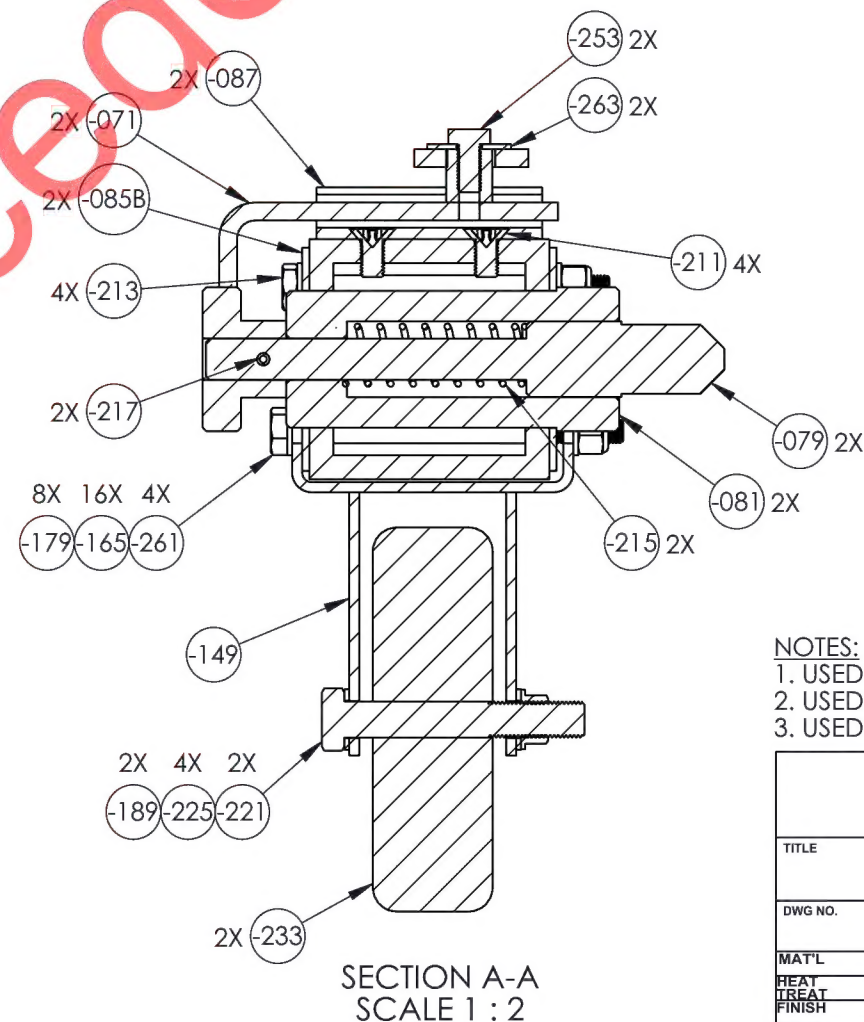
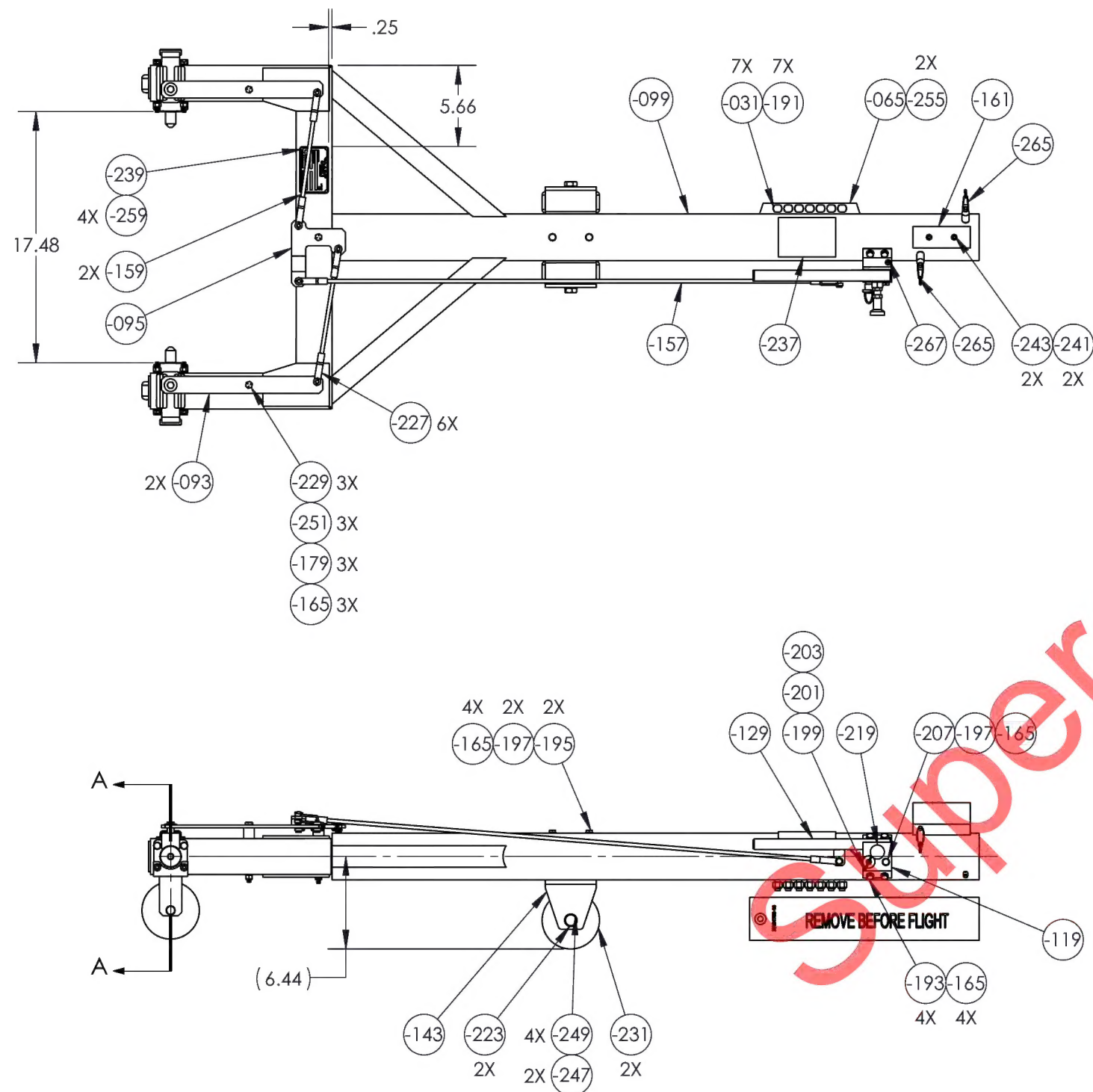



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SECTION A-A
SCALE 1 : 2

| REVISIONS | | | | | | |
|-----------|---------|---|-----------|---------|----------|--|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED | |
| 1 | | DELETED -063 FROM DWG. MADE REFERENCE IN BOM FOR -063 TO SEE RBW0905G12351-3G. | 4/28/2010 | RJC | | |
| 1A | | REMOVED BREAK AWAY ASSY. PARTS -063, -173 THRU -177 & -181 THRU -187 . REMOVED ASSOCIATED PAGES, AND RE-NUMBERED ALL PAGES & CORRECTED BOM. | 5/19/2010 | RJC | | |
| 2 | | -065 WAS 3 PART WELDMENT (-067, 2X -069) IS SINGLE PART. -31 SEPARATED TO OWN DWG. -95 CORRECTED ASSEMBLY TO -159 . REMOVED TONGUE ASSEMBLY PARTS -3 THRU -51 . REMOVED ASSOC. PAGES, RENUMBERED PAGES, ADDED TONGUE ASSEMBLY REF RBW0905G00134-3G-01. -052 ADDED BREAK AWAY ASSEMBLY RBW0905G12631-3G. CORRECTED BOM. | 1/23/2013 | BIM | SE | |
| 2A | 14-0158 | CH'D TILEBLOCK WAS RED BARN IS DART. CH'D DIM TOLERANCES ON NON-CRITICAL DIM. REMOVED -001, -031 AND -052 FROM BOM. CH'D DRAWING # WAS RBW0905G00134-3G IS RBW0905G00134-3G-03. -073, -077, -089, -093, -103, -111, -113, -115, -117, -0121, -123, -125, -131, -133, -135, -137, -139, -141, -145, -147, -151, -153 CH'D SPECIFICATIONS. -119 ADDED NOTE. -121 ADDED AUX VIEW. | 9/24/2014 | DJN | JAG | |
| 3 | 14-0228 | -097 CH'D CENTER HOLE WAS 1/4-28 UNF THRU IS Ø.28 THRU ALL. -101 CH'D DIMENSION WAS 2X Ø.257 THRU ALL IS 2X Ø.316 THRU ALL. ADDED MISSING DIM. 2X 1/4-28 UNF Ψ .5. CH'D DIM SECTION D-D AND E-E WAS Ø.257 THRU ALL IS Ø.3165 - .3125. -113 CH'D HOLE WAS 2X Ø.257 THRU ALL IS Ø.33. -115 CH'D MATERIAL WAS 6061 IS 6063. -251 ADDED DRAWING FOR MODIFIED B/O. | 2/2/2015 | RJC | JAG | |
| 4 | 16-0029 | -081 MOVED FILLET WELD TO OPPOSITE SIDE. -087 CH'D DIM WAS (.52) IS .520 +030-.000. -089 CH'D COUNTERSINK WAS Ψ .47 IS Ψ .50. -093 CH'D DIM WAS .49 IS .50 +01-.00. -099 CH'D WELD SYMBOL FOR -113, -105 & -107 DELETED DIM'S .66 & .81. ADDED DIM'S .59 & .44. -123 ADDED #10-32 HOLE. -151 CH'D DIM WAS 2.66 IS 2.720 +030-.000. -161 CH'D DIM WAS 2X Ø.266 THRU ALL L Ψ .44 Ψ .63 IS 2X Ø.22 THRU ALL L Ψ .38 Ψ .63. -165 CH'D QTY. WAS 30 IS 28 -203 CH'D P/N WAS N5 1756-18 IS N45 1756-16. -207 CH'D MATERIAL WAS S.S. IS STEEL. -243 CH'D P/N WAS 91251A560 IS 91251A349. -257 CH'D P/N WAS 91090A107 IS 91117A201. -261 REPLACED 4X .213'S WITH P/N MCMMASTER-CARR #91257A575. -263 -265 & -267 & CRATE ADDED TO BOM. | 2/8/2016 | RJC | JAG | |
| 5 | 17-0010 | -085A & -085B CH'D DIM WAS .23 IS 2X .23. WAS .41 IS 2X .41. -093 CH'D DIM WAS 2X .60 IS 3X .60. ADDED DIM 2X FULL R. -099 CH'D WELD SYMBOL -105 & 103 WAS FILLET WELD ALL AROUND .06 IS FILLET WELD ALL AROUND. -101 CH'D DIM WAS (.25 WALL) IS .25 WALL. -191 CH'D B/O P/N WAS #917135A235 IS #90566A220. | 3/18/2017 | RJC | JAG | |

NOTES:
1. USED IN ASSY RBW0905G00134-3G.
2. USED WITH RBW0905G12631-3G.
3. USED WITH RBW0905G00134-3G-01.


| | | | |
|---|------|------------------------------|-----------|
|  | | | |
| TITLE | | | |
| TOW DOLLY | | | |
| DWG NO. | | | REV |
| RBW0905G00134-3G-03 | | | 5 |
| MAT'L | | UNLESS OTHERWISE SPECIFIED | |
| HEAT | | DIMENSIONS ARE IN INCHES | |
| TREAT | | .XXX ± .005 FRACTIONS ± 1/8 | |
| FINISH | | .XX ± .01 ANGLES ± 5° | |
| SPEC | | .X ± .1 SURFACES = 125/√ | |
| DRAWN BY: | | 1. BREAK ALL SHARP EDGES | |
| PERRITT | | .015 x .45" OR .015R | |
| CHECKED: | | 2. DIMENSIONAL LIMITS APPLY | |
| MACKOVJAK | | AFTER PLATING | |
| OPPS APPR: | | 3. INTERPRET DIM AND TOL PER | |
| ANDERSON | | ASME Y14.5M-2009 | |
| QA APPR: | | USED ON MODEL | |
| LINDSAY | | AGUSTA AW139 | |
| APPROVED: | | | |
| GILBERT | | | |
| SCALE | 1:10 | DATE | 2/12/2010 |
| | | SHEET 1 OF 49 | |

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| REVISIONS | | | | | |
|-----------|-----|-------------|------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |

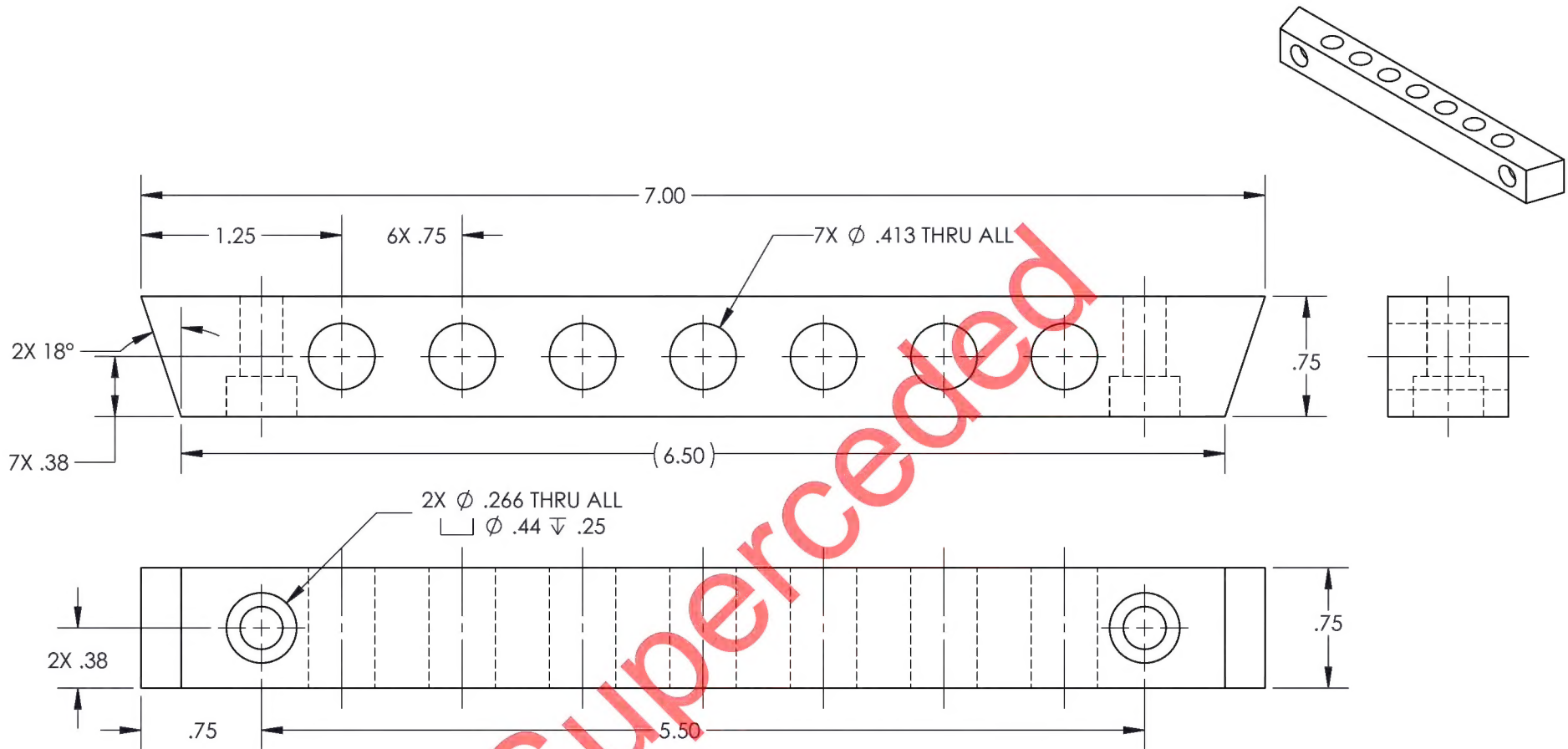
| ASSY QTY | ASSY QTY | ASSY QTY | ASSY QTY | ASSY QTY | ASSY QTY | ASSY QTY | ASSY QTY | B/O | Part # | UNIT QTY | Description | Material | B/O INFORMATION OR SPECIFICATIONS | PG. |
|-----------|-----------|-----------|-----------|----------|----------|----------|----------|-----|--------|----------|------------------------------|------------------|--|-----|
| | | | | | | | | | -031 | 7 | TONGUE SHEAR BOLT | | DART #RBW0905G01652-3G | 1 |
| | | | | | | | | | -065 | 1 | TONGUE SHEAR BOLT HOLDER | 6061 | | 3 |
| | | | | | | X | | | -071 | 2 | PIN SLIDE WELDMENT | | | 4 |
| | | | | | | 1 | | | -073 | | SLIDE BAR | A36/1018/1020 HR | | 5 |
| | | | | | | 1 | | | -075 | | PIN ATTACHMENT | A36/1018/1020 HR | | 6 |
| | | | | | | 1 | | | -077 | | BUSHING | A36/1018/1020 HR | | 7 |
| | | | | | | | | | -079 | 2 | PIN | 4140/4142 | | 8 |
| | | | | | | X | | | -081 | 2 | PIN HOUSING WELDMENT | | | 9 |
| | | | | | | 1 | | | -083 | | PIN HOUSING | A36/1018/1020 HR | | 10 |
| | | | | | | 1 | | | -085A | | HOUSING PLATE | A36/1018/1020 HR | | 11 |
| | | | | | | | | | -085B | 2 | HOUSING PLATE | A36/1018/1020 HR | | 11 |
| | | | | | | X | | | -087 | 2 | GUIDE WELDMENT | | | 12 |
| | | | | | | 1 | | | -089 | | GUIDE PLATE | 1018/1020 CR | | 13 |
| | | | | | | 2 | | | -091 | | GUIDE | 1018/1020 CR | | 14 |
| | | | | | | | | | -093 | 2 | TRANSFER BAR | 6061 | | 15 |
| | | | | | | | | | -095 | 1 | TIE ROD PIVOT | 6061 | | 16 |
| | | | | | | 3 | | | -097 | | RISER | 6061 | | 17 |
| | | | | | | X | | | -099 | 1 | FRAME WELDMENT | | | 18 |
| | | | | | | 1 | | | -101 | | FRAME TUBE | 6061 | | 19 |
| | | | | | | 1 | | | -103 | | FRONT | 6061 | | 20 |
| | | | | | | 1 | | | -105 | | RIGHT SIDE | 6061 | | 21 |
| | | | | | | 1 | | | -107 | | LEFT SIDE | 6061 | | 22 |
| | | | | | | 2 | | | -109 | | BRACE | 6061 | | 23 |
| | | | | | | 4 | | | -111 | | GUSSET | 6061 | | 24 |
| | | | | | | 1 | | | -113 | | WHEEL PLATE | 6061 | | 25 |
| | | | | | | 1 | | | -115 | | CHANNEL | 6063 | | 26 |
| | | | | | | 2 | | | -117 | | END CAP | 6061 | | 27 |
| | | | | | | X | | | -119 | 1 | HANDLE BRACKET WELDMENT | | | 28 |
| | | | | | | 1 | | | -121 | | BASE | A36/1018/1020 HR | | 29 |
| | | | | | | 1 | | | -123 | | INSIDE | A36/1018/1020 HR | | 30 |
| | | | | | | 1 | | | -125 | | OUTSIDE | A36/1018/1020 HR | | 31 |
| | | | | | | 1 | | B/O | -127 | | NUT | STEEL | M12X1.5 (MCMaster-CARR #91415A235) | 28 |
| | | | | | | X | | | -129 | 1 | HANDLE WELDMENT | | | 32 |
| | | | | | | 1 | | | -131 | | END CAP | A36/1018/1020 HR | | 33 |
| | | | | | | 2 | | | -133 | | SIDE PLATE | A36/1018/1020 HR | | 34 |
| | | | | | | 1 | | | -135 | | BACK END | A36/1018/1020 HR | | 35 |
| | | | | | | 1 | | | -137 | | FRONT END | A36/1018/1020 HR | | 36 |
| | | | | | | 1 | | | -139 | | TAB | A36/1018/1020 HR | | 37 |
| | | | | | | 1 | | | -141 | | HANDLE | STEEL | | 38 |
| | | | | | | X | | | -143 | 1 | FRONT WHEEL BRACKET WELDMENT | | | 39 |
| | | | | | | 1 | | | -145 | | FRONT WHEEL BRACKET FRAME | A36/1018/1020 HR | | 40 |
| | | | | | | 2 | | | -147 | | FRONT WHEEL BRACKET GUSSET | A36/1018/1020 HR | | 41 |
| X | | | | | | | | | -149 | 2 | REAR WHEEL BRACKET WELDMENT | | | 42 |
| 1 | | | | | | | | | -151 | | REAR WHEEL FRAME | A36/1018/1020 HR | | 43 |
| 2 | | | | | | | | | -153 | | REAR WHEEL VERT. SUPPORT | A36/1018/1020 HR | | 44 |
| | | | | | | | | | -157 | 1 | THREADED ROD | 1018/1020 CR | | 45 |
| | | | | | | | | | -159 | 2 | THREADED ROD | 1018/1020 CR | | 46 |
| | | | | | | | | | -161 | 1 | PAD | URETHANE 60A | 1-1/2 X 1-1/2 X 4-1/8 (MCMaster CARR #8644K24) | 47 |
| | | | | | | | | B/O | -165 | 28 | FLAT WASHER | S.S. | Ø1/4 AN960-416 | 1 |
| | | | | | | | | B/O | -179 | 11 | HEX LOCKNUT | STEEL | 1/4-28 UNF (MCMaster-CARR #95615A130) | 1 |
| | | | | | | | | B/O | -189 | 2 | LOCK NUT | STEEL | 3/8-24 UNF (MCMaster-CARR #95307A700) | 1 |
| | | | | | | | | B/O | -191 | 7 | THIN NYLON INSERT LOCK NUT | STEEL | 3/8-24 UNF (MCMaster-CARR# 90566A220) | 1 |
| | | | | | | | | B/O | -193 | 4 | HEX HEAD CAP SCREW | S.S. | 1/4-28 UNF X 1/2 AN4-4A | 1 |
| | | | | | | | | B/O | -195 | 2 | HEX HEAD CAP SCREW | S.S. | 1/4-28 UNF X 4 AN4-40A | 1 |
| | | | | | | | | B/O | -197 | 3 | LOCK NUT | STEEL | 1/4-28 UNF (MCMaster-CARR #95307A500) | 1 |
| ASSY -149 | ASSY -143 | ASSY -129 | ASSY -119 | ASSY -99 | ASSY -87 | ASSY -81 | ASSY -71 | | | | | | | |

| ASSY QTY | ASSY QTY | ASSY QTY | ASSY QTY | ASSY QTY | ASSY QTY | ASSY QTY | B/O | Part # | UNIT QTY | Description | Material | B/O INFORMATION OR SPECIFICATIONS | PG. |
|-----------|-----------|-----------|-----------|----------|----------|----------|----------|--------|----------|------------------------------------|--------------------|--|-----|
| | | | | | | | B/O | -199 | 1 | BALL LOCK PIN | S.S. | Ø1/4 X 1 {MCMaster-CARR 92384A034} | 1 |
| | | | | | | | B/O | -201 | 1 | LANYARD, LOOP TO LOOP | COATED STEEL | Ø1/16 WIRE X 6 (CARR LANE #CL-2-C) | 1 |
| | | | | | | | B/O | -203 | 1 | REMOVE BEFORE FLIGHT | NYLON | NAS 1756-16 | 1 |
| | | | | | | | B/O | -207 | 1 | HEX HEAD CAP SCREW | STEEL | 1/4-28 UNF X 1-1/4 AN4-12A | 1 |
| | | | | | | | B/O | -211 | 4 | FLAT HEAD SCREW | STEEL | 1/4-28 UNF X 1/2 {MCMaster-CARR #90273A557} | 1 |
| | | | | | | | B/O | -213 | 4 | HEX HEAD CAP SCREW | STEEL | 1/4-28 UNF X 3-1/4 {MCMaster-CARR #91257A574} | 1 |
| | | | | | | | B/O | -215 | 2 | COMPRESSION SPRING | SPRING STEEL | OD Ø3/4 X 2 CENTURY SPRING #10226 | 1 |
| | | | | | | | B/O | -217 | 2 | ROLL PIN | STEEL | Ø1/8 X 3/4 {MCMaster-CARR #90692A698} | 1 |
| | | | | | | | B/O | -219 | 1 | LOCKING INDEXING PLUNGER | J.W. WINCO #GO2/AK | | 1 |
| | | | | | | | B/O | -221 | 2 | HEX HEAD CAP SCREW | S.S. | 3/8-24 UNF X 2-3/8 AN6-23A | 1 |
| | | | | | | | B/O | -223 | 2 | HEX HEAD CAP SCREW | S.S. | 1/2-20 UNF X 2-7/8 AN8-27A | 1 |
| | | | | | | | B/O | -225 | 4 | FLAT WASHER | STEEL | Ø3/8 AN960-616 | 1 |
| | | | | | | | B/O | -227 | 6 | ROD END | STEEL | {MCMaster-CARR 6071K120} | 1 |
| | | | | | | | B/O | -229 | 3 | HEX HEAD CAP SCREW | STEEL | 1/4-28 UNF X 4 {MCMaster-CARR #91247A028} | 1 |
| | | | | | | | B/O | -231 | 2 | FRONT WHEEL | POLYPROPYLENE | Ø4 O.D. {MCMaster-CARR #2781T58} | 1 |
| | | | | | | | B/O | -233 | 2 | REAR WHEEL | RUBBER | Ø4 O.D. {MCMaster-CARR #2829T73} | 1 |
| | | | | | | | B/O | -237 | 1 | WARNING STICKER WITH ADHESIVE BACK | VINYL | 1/32 X 3 X 4-5/8 SIGNS NOW | 48 |
| | | | | | | | B/O | -239 | 1 | DART PLACARD | ALUMINUM | RB41011 | 1 |
| | | | | | | | B/O | -241 | 2 | RIVET NUT | STEEL | #10-32 UNF {MCMaster-CARR #95105A135} | 1 |
| | | | | | | | B/O | -243 | 2 | SOCKET HEAD CAP SCREW | STEEL | #10-32 X 1-1/4 {MCMaster-CARR #91251A349} | 1 |
| | | | | | | | B/O | -247 | 2 | LOCK NUT | S.S. | 1/2-20 UNF {MCMaster-CARR #99638A600} | 1 |
| | | | | | | | B/O | -249 | 4 | FLAT WASHER | S.S. | Ø1/2 I.D. AN960-816 | 1 |
| | | | | | | | | -251 | 3 | SLEEVE | BRONZE | 1/4 I.D. X 3/8 O.D. X 1/4 {MCMaster-CARR #1688K4} MOD. | 49 |
| | | | | | | | B/O | -253 | 2 | HEX HEAD CAP SCREW | STEEL | 1/4-28 UNF X 1/2 {MCMaster-CARR #92620A562} | 1 |
| | | | | | | | B/O | -255 | 2 | SOCKET HEAD CAP SCREW | STEEL | 1/4-28 UNF X 3/4 {MCMaster-CARR #92562A588} | 1 |
| | | | | | | | B/O | -257 | 2 | WASHER | STEEL | #10 {MCMaster-CARR #91117A201} | 47 |
| | | | | | | | B/O | -259 | 4 | #2 DRIVE SCREW | COATED STEEL | 1/8 {MCMaster-CARR #90081A074} | 1 |
| | | | | | | | B/O | -261 | 4 | HEX HEAD CAP SCREW | STEEL | 1/4-28 X 3-1/2 {MCMaster-CARR #91257A575} | 1 |
| | | | | | | | B/O | -263 | 2 | OVERSIZED WASHER | STEEL | Ø1/4 {MCMaster-CARR #91090A107} | 1 |
| | | | | | | | B/O | -265 | 2 | L-HANDLE BALL LOCK PIN | S.S. | Ø5/16 X 3-1/4 CARR-LANE #CL-5-BLPL-3.50-S-C | 1 |
| | | | | | | | B/O | -267 | 1 | PAN HEAD SCREW | STEEL | #10-32 X 7/16 {MCMaster-CARR #90272A828} | 1 |
| | | | | | | | B/O | | 1 | CRATE-CERTIFIED | WOOD | I.D. {LXWXH} 60 X 28 X 11 | N/S |
| ASSY -149 | ASSY -143 | ASSY -129 | ASSY -119 | ASSY -99 | ASSY -87 | ASSY -81 | ASSY -71 | | | | | | |

| | | | |
|---|-----------|--|-----------|
|  | | | |
| TITLE | | | |
| TOW DOLLY | | | |
| DWG NO. RBW0905G00134-3G-03 | | | REV 5 |
| MAT'L | | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125/√ | |
| REAT | | | |
| TREAT | | | |
| FINISH | | | |
| SPEC | | | |
| DRAWN BY: | PERRITT | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPET DIM AND TOL PER ASME Y14.5M-2009 | |
| CHECKED: | MACKOVJAK | | |
| OPPS APPR: | ANDERSON | | |
| QA APPR: | LINDSAY | USED ON MODEL AGUSTA AW139 | |
| APPROVED: | GILBERT | | |
| SCALE | 1:12 | DATE | 2/12/2010 |
| | | SHEET 2 OF 49 | |

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| REVISIONS | | | | | | |
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| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED | |



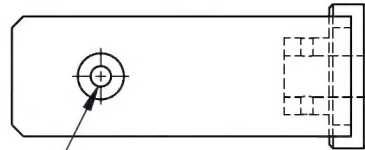
(-065)

TONGUE SHEAR BOLT HOLDER

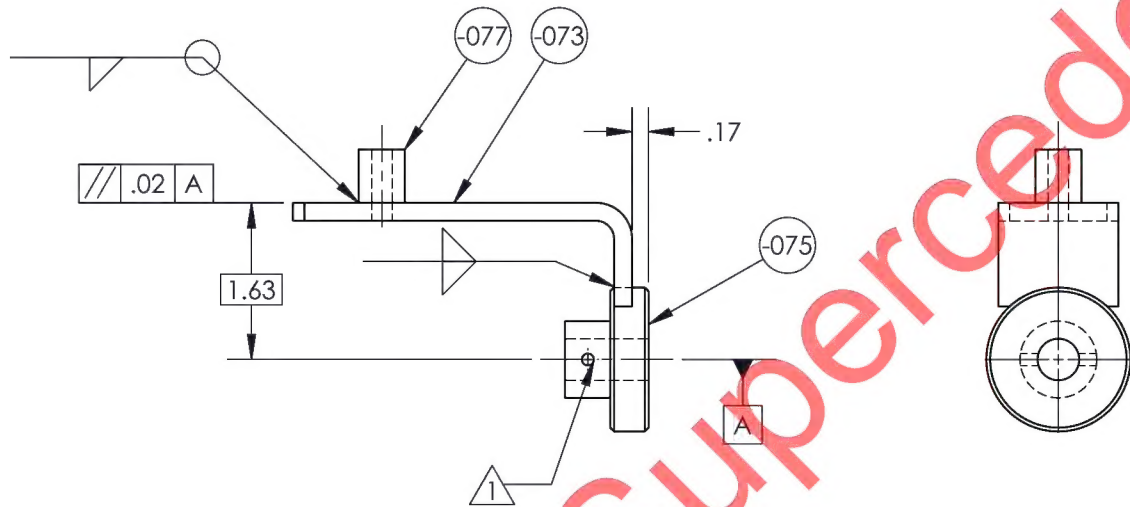
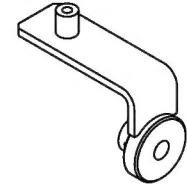
| | |
|---|--|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-065 | REV 5 |
| MAT'L 6061 | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES |
| HEAT TREAT | .XXX ± .005 FRACTIONS ± 1/8 |
| FINISH CLEAR ANODIZE | .XX ± .01 ANGLES ± 5° |
| SPEC MIL-A-8625F, TYPE II, CLASS I | .X ± .1 SURFACES = 125✓ |
| DRAWN BY: CLOUGH | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R |
| CHECKED: MACKOVJAK | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| OPPS APPR: ANDERSON | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| QA APPR: LINDSAY | USED ON MODEL |
| APPROVED: GILBERT | AGUSTA AW139 |
| SCALE 1:1 | DATE 11/19/2012 |
| SHEET 3 OF 49 | |

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| REVISIONS | | | | |
|-----------|-----|-------------|------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL |
| | | | | APPROVED |



ALIGN HOLES



NOTE:

1 ORIENTATION NOT CRITICAL, ALIGN AS SHOWN BY EYE.

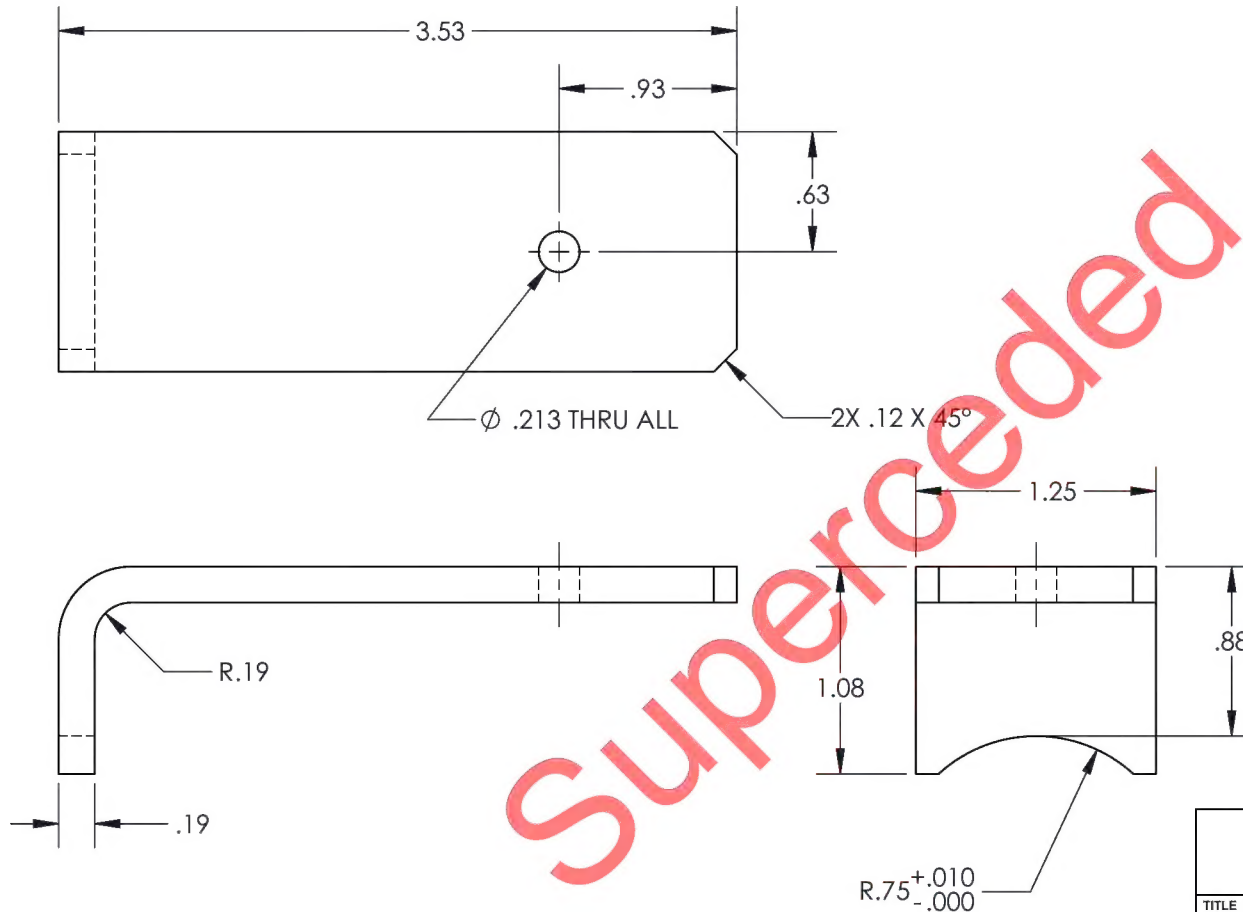


| | | | |
|------------|---|-----------|---------------|
| TITLE | | TOW DOLLY | |
| DWG NO. | RBW0905G00134-3G-03-071 | | REV 5 |
| MAT'L | UNLESS OTHERWISE SPECIFIED | | |
| HEAT TREAT | DIMENSIONS ARE IN INCHES | | |
| FINISH | .XXX ± .005 FRACTIONS ± 1/8 | | |
| SPEC | .XX ± .01 ANGLES ± 5° | | |
| | .X ± .1 SURFACES = 125 | | |
| | 1. BREAK ALL SHARP EDGES | | |
| | .015 x 45° OR .015R | | |
| | 2. DIMENSIONAL LIMITS APPLY | | |
| | AFTER PLATING | | |
| | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 | | |
| DRAWN BY: | PERRITT | | |
| CHECKED: | MACKOVJAK | | |
| OPPS APPR: | ANDERSON | | |
| QA APPR: | LINDSAY | | |
| APPROVED: | GILBERT | | |
| SCALE | 1:2 | DATE | 2/12/2010 |
| | | | SHEET 4 OF 49 |

PIN SLIDE WELDMENT

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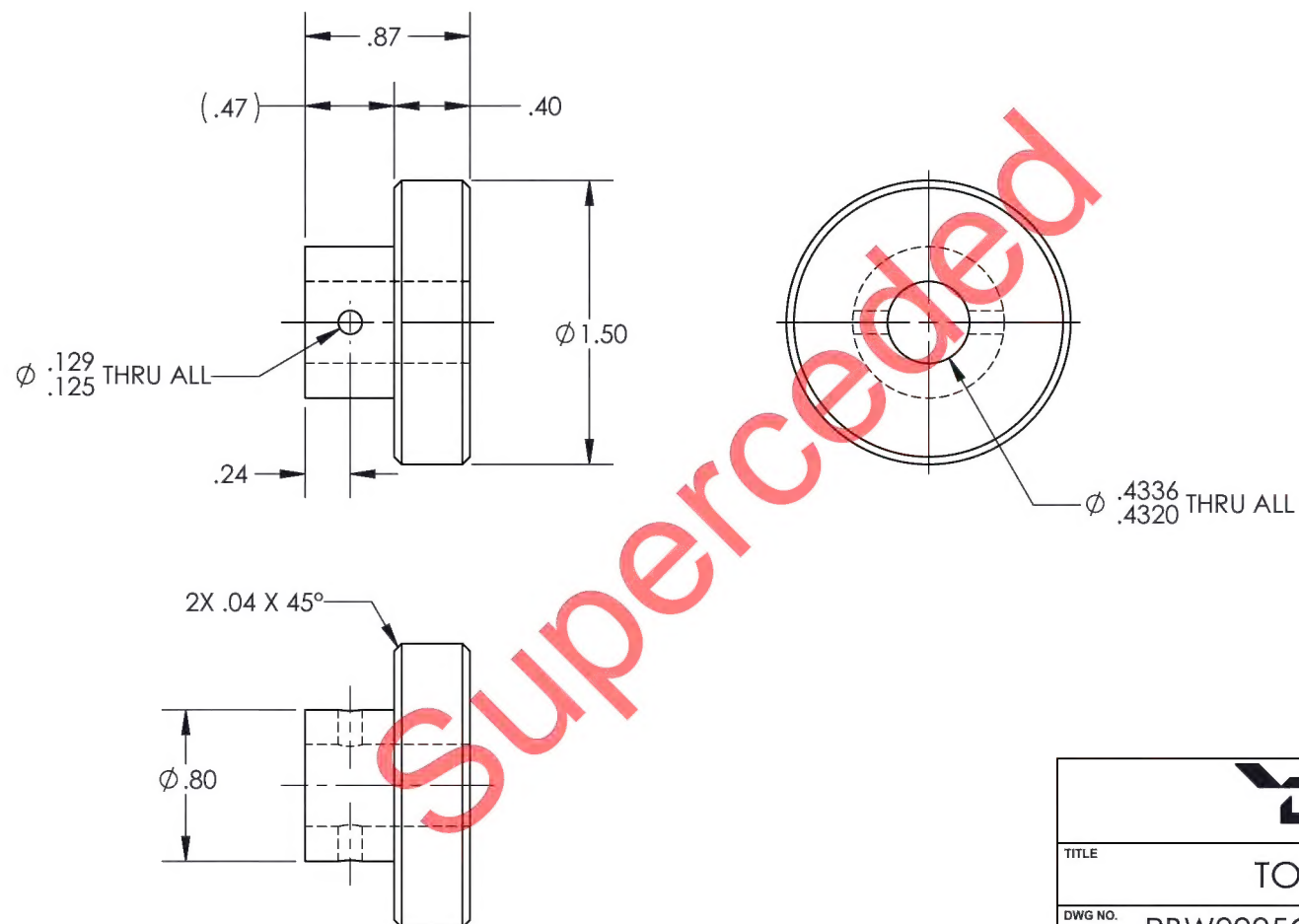
| REVISIONS | | | | |
|-----------|-----|-------------|------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL |
| | | | | APPROVED |



(-073)
SLIDE BAR

| | |
|---|--|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-073 | REV 5 |
| MAT'L A36/1018/1020 HR | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES |
| HEAT TREAT | .XXX ± .010 FRACTIONS ± 1/8 |
| FINISH SEE -071 WELDMENT | .XX ± .03 ANGLES ± 1° |
| SPEC | .X ± .1 SURFACES = 125/ |
| DRAWN BY: MARPET | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R |
| CHECKED: MACKOVJAK | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| OPPS APPR: ANDERSON | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| QA APPR: LINDSAY | USED ON MODEL |
| APPROVED: GILBERT | AGUSTA AW139 |
| SCALE 1:1 | DATE 1/31/2013 |
| SHEET 5 OF 49 | |

| REVISIONS | | | | | |
|-----------|-----|-------------|------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |



(-075)

PIN ATTACHMENT



| TITLE |
|-------|
|-------|

TOW DOLLY

| | |
|---------|--|
| DWG NO. | |
|---------|--|

RBW0905G00134-3G-03-075

RE
5

| | |
|-------|------------------|
| MAT'L | A36/1018/1020 HR |
|-------|------------------|

HEAT

TREAT FINISH SEE -071 WELDMENT

SPEC

| | |
|-----------|---------|
| DRAWN BY: | GILBERT |
|-----------|---------|

| | |
|----------|-----------|
| CHECKED: | MACKOVJAK |
|----------|-----------|

| | |
|------------|----------|
| OPPS APPR: | ANDERSON |
|------------|----------|

| | |
|----------|---------|
| QA APPR: | LINDSAY |
|----------|---------|

| | |
|-----------|---------|
| APPROVED: | GILBERT |
|-----------|---------|

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES
FRACTIONS: 1/8

.XXX ± .005 FRACTIONS ± 1/8

| | | |
|-----|--------|--------------|
| XXX | ± .005 | ANGLES ± .5° |
| XX | ± .01 | SURFACES |
| X | ± .02 | |

| | | |
|----|------|------------|
| .X | ± .1 | SURFACES = |
|----|------|------------|

1. BREAK ALL SHARP EDGES

1. BREAK ALL SHARP
.015 x 45° OR .015R

2. DIMENSIONAL LIMITS APPLY

2. DIMENSIONAL LIMITS AFTER PLATING

3. INTERPRET DIM AN
ASME Y14.5M-2009

USED ON MODEL

AGUSTA AW139

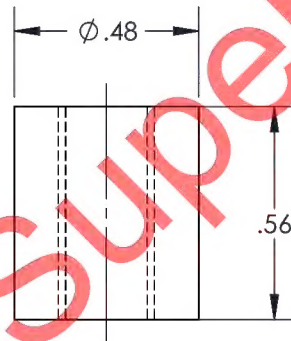
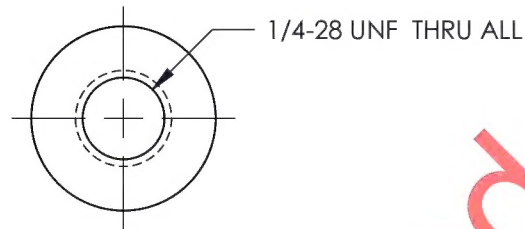
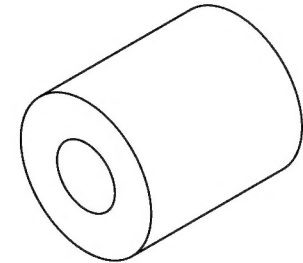
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| SCALE | 1:1 |
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| DATE | 11/20/2012 |
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SHEET 6 OF 49

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| REV | ECR | DESCRIPTION | DATE | INITIAL |
| | | | | APPROVED |



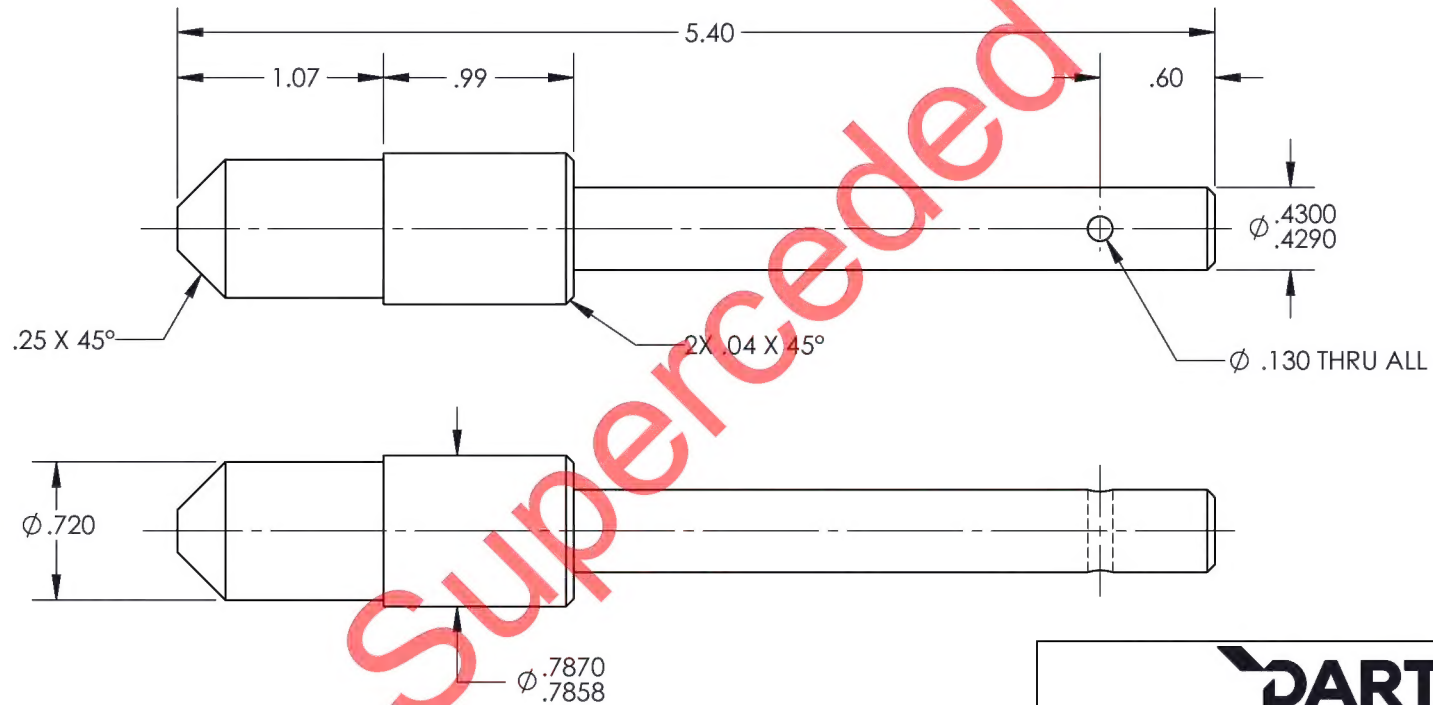
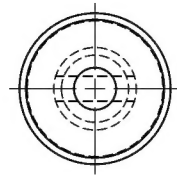
(-077)

BUSHING

| | |
|---|------------------------------|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-077 | REV 5 |
| MAT'L A36/1018/1020 HR | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH SEE -071 WELDMENT | .XXX ± .005 FRACTIONS ± 1/8 |
| SPEC | .XX ± .01 ANGLES ± .5° |
| | .X ± .1 SURFACES = 125/ |
| DRAWN BY: CLOUGH | 1. BREAK ALL SHARP EDGES |
| CHECKED: MACKOVJAK | .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY |
| QA APPR: LINDSAY | AFTER PLATING |
| APPROVED: GILBERT | 3. INTERPRET DIM AND TOL PER |
| | ASME Y14.5M-2009 |
| SCALE 2:1 | DATE 11/19/2012 |
| | SHEET 7 OF 49 |

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| REV | ECR | DESCRIPTION | DATE | INITIAL |
| | | | | APPROVED |



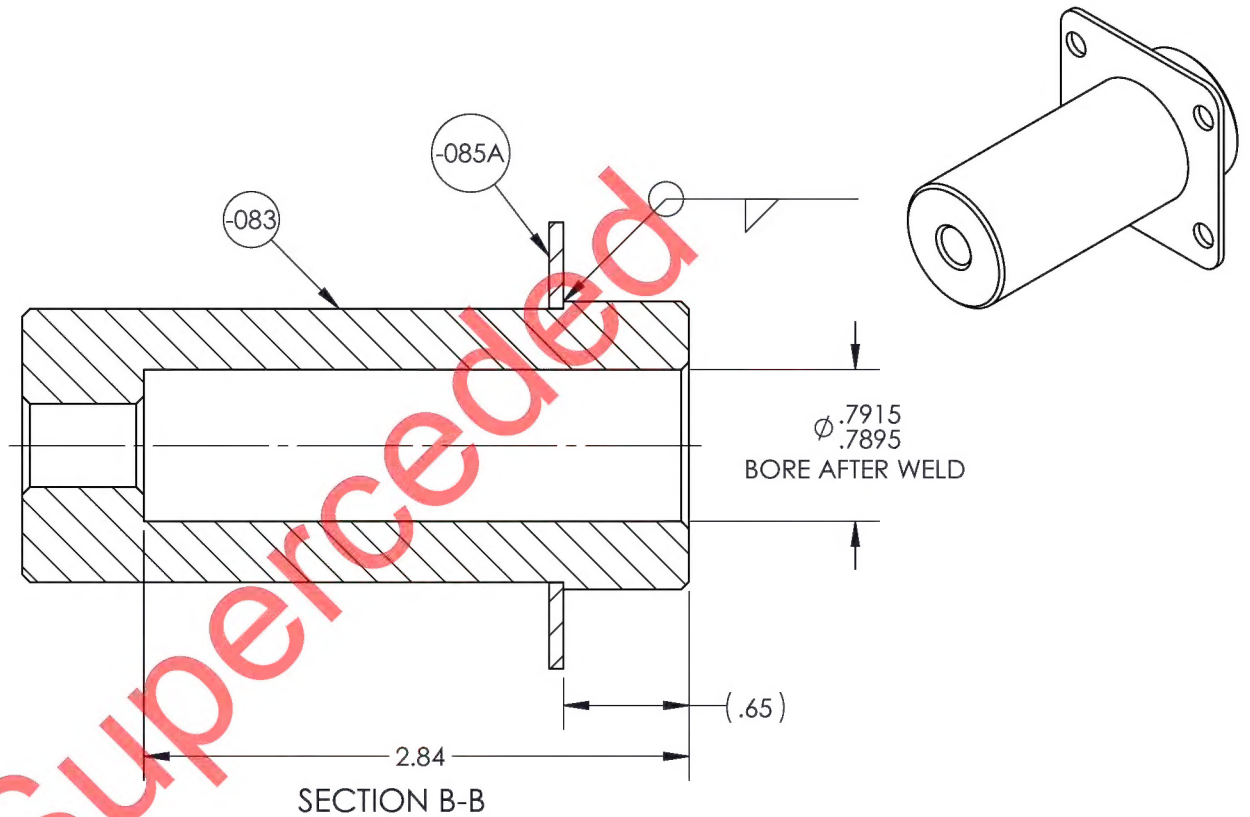
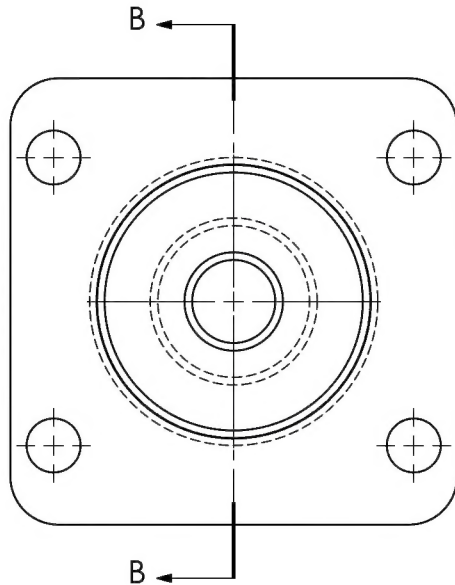
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|-----------------------------|-----|------------------------------|------------|
| TITLE | | TOW DOLLY | |
| DWG NO. | | RBW0905G00134-3G-03-079 | |
| | | REV | 5 |
| MAT'L 4140/4142 | | UNLESS OTHERWISE SPECIFIED | |
| HEAT RC 40-45 | | DIMENSIONS ARE IN INCHES | |
| TREAT | | .XXX ± .005 FRACTIONS ± 1/8 | |
| FINISH YELLOW ZINC PLATE | | .XX ± .01 ANGLES ± .5° | |
| SPEC ASTM B633 TYPE II SC 2 | | .X ± .1 SURFACES = 125 | |
| DRAWN BY: GILBERT | | 1. BREAK ALL SHARP EDGES | |
| CHECKED: MACKOVJAK | | .015 x 45° OR .015R | |
| OPPS APPR: ANDERSON | | 2. DIMENSIONAL LIMITS APPLY | |
| QA APPR: LINDSAY | | AFTER PLATING | |
| APPROVED: GILBERT | | 3. INTERPRET DIM AND TOL PER | |
| | | ASME Y14.5M-2009 | |
| | | USED ON MODEL | |
| | | AGUSTA AW139 | |
| SCALE | 1:1 | DATE | 11/28/2012 |
| | | SHEET 8 OF 49 | |

(-079)

PIN

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| REVISIONS | | | | | |
|-----------|---------|--|----------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 4 | 16-0029 | -081 MOVED FILLET WELD TO OPPOSITE SIDE. | 2/8/2016 | RJC | JAG |

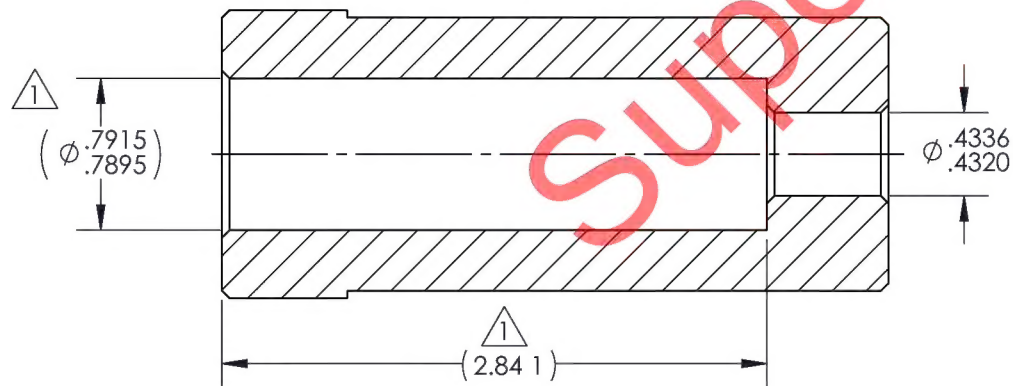
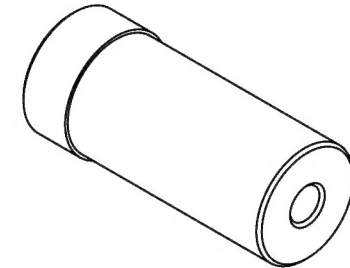
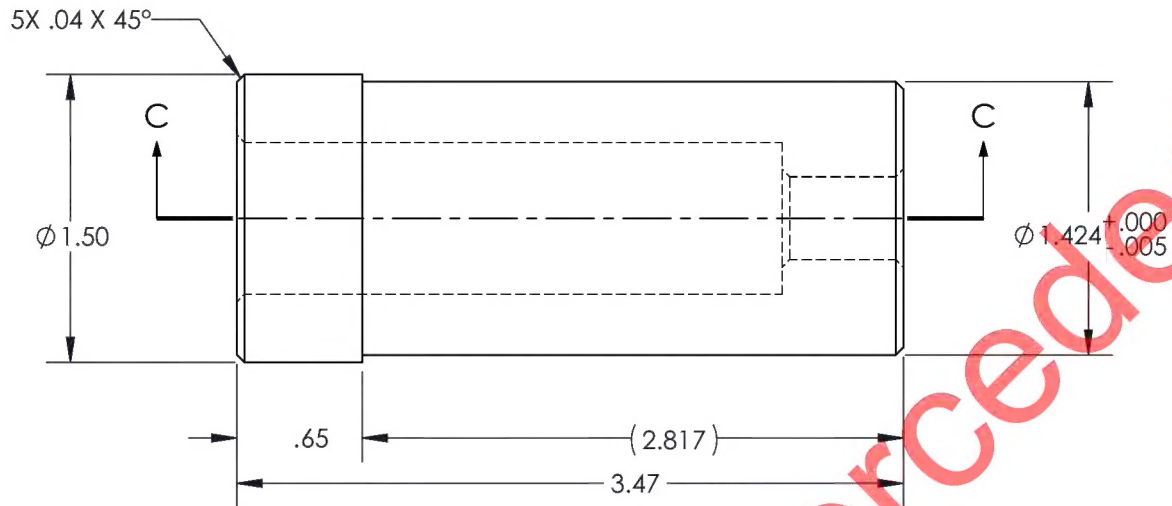


(-081)
PIN HOUSING WELDMENT

| | |
|---|---|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-081 | REV 5 |
| MAT'L SPEC ASTM B633 TYPE II SC 2 | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125/ |
| HEAT TREAT FINISH YELLOW ZINC PLATE | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R |
| DRAWN BY: MARPET | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| CHECKED: MACKOVJAK | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| OPPS APPR: ANDERSON | USED ON MODEL |
| QA APPR: LINDSAY | AGUSTA AW139 |
| APPROVED: GILBERT | |
| SCALE 1:1 | DATE 1/30/2013 |
| SHEET 9 OF 49 | |

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| REVISIONS | | | | |
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| REV | ECR | DESCRIPTION | DATE | INITIAL |
| | | | | APPROVED |



SECTION C-C

(-083)

PIN HOUSING

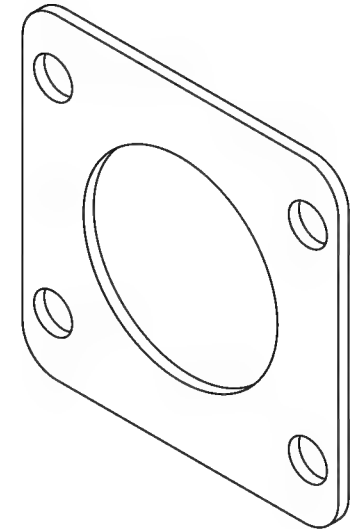
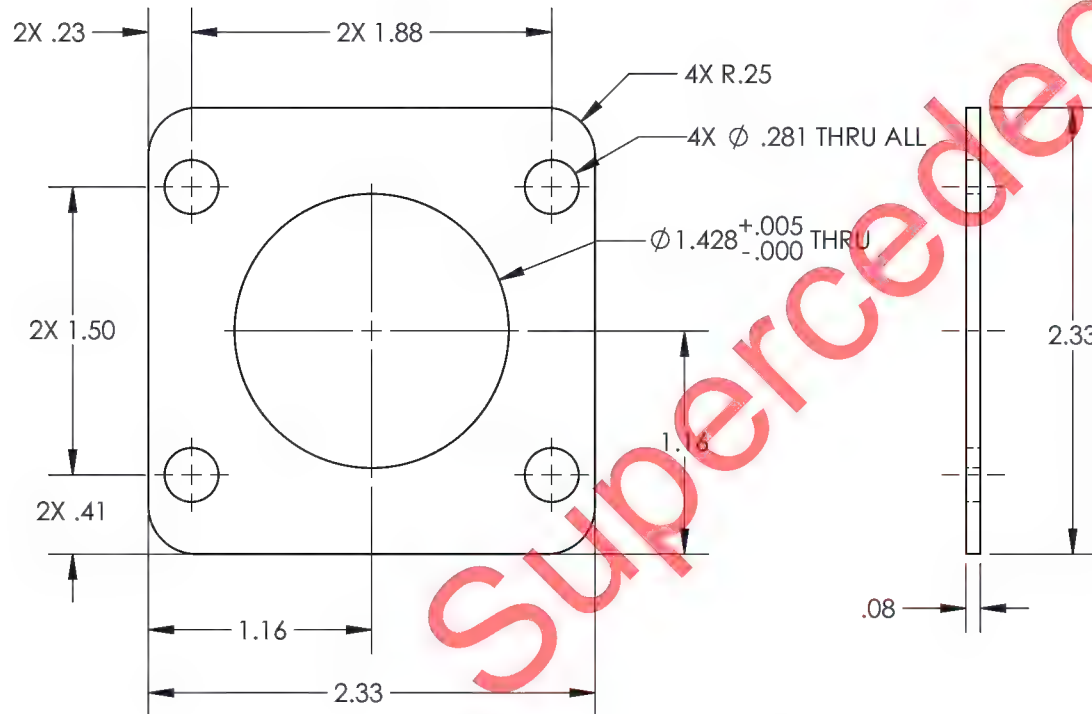
NOTE:

- 1 AFTER WELDING SEE -81 FINISH BORE TO ACHIEVE DIMENSION

| | |
|---|---|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-083 | REV 5 |
| MAT'L A36/1018/1020 HR | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH SEE -81 WELDMENT | .XXX ± .005 FRACTIONS ± 1/8 |
| SPEC | .XX ± .01 ANGLES ± 5° |
| | .X ± .1 SURFACES = 125 |
| DRAWN BY: GILBERT | 1. BREAK ALL SHARP EDGES |
| CHECKED: MACKOVJAK | .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY |
| QA APPR: LINDSAY | AFTER PLATING |
| APPROVED: GILBERT | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| SCALE 1:1 | DATE 11/20/2012 |
| | SHEET 10 OF 49 |

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| REVISIONS | | | | | |
|-----------|---------|--|-----------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 5 | 17-0010 | -085A & -085B CH'D DIM WAS .23 IS 2X .23, WAS .41 IS 2X .41. | 3/18/2017 | RJC | JAG |



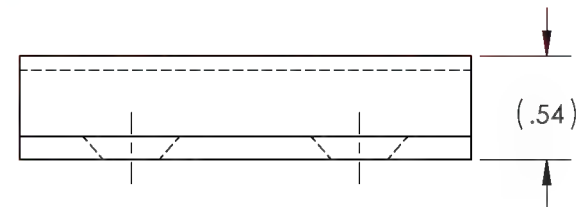
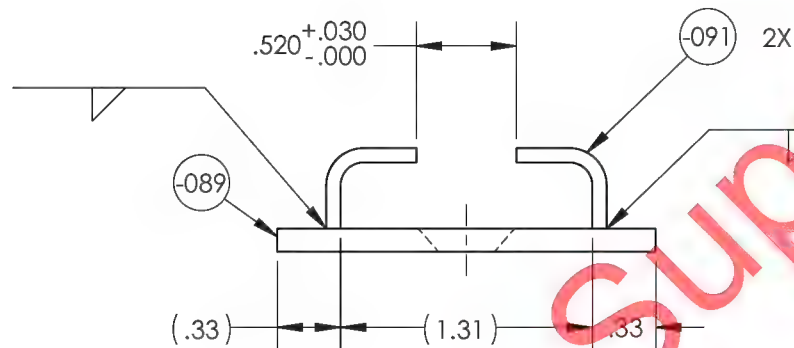
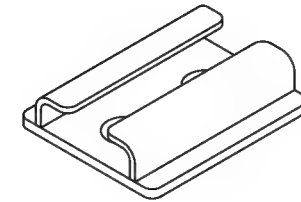
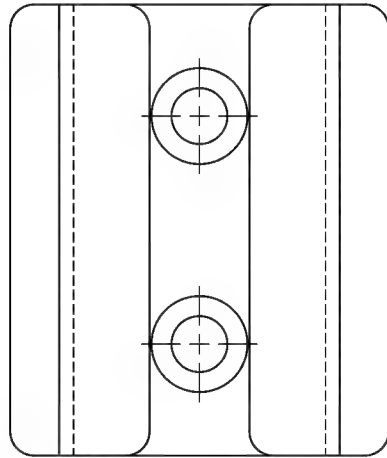
(-085A) (-085B)
HOUSING PLATE

| | | |
|-------|---|----------------------------------|
| -085A | 2 | NO FINISH, SEE -81 WELDMENT |
| -085B | 2 | YELLOW ZINC .0002 - .0004 FINISH |

| | |
|--|--|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-085B | REV 5 |
| MAT'L A36/1018/1020 HR | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES |
| HEAT TREAT | .XXX ± .010 FRACTIONS ± 1/8 |
| FINISH SEE TABLE | .XX ± .03 ANGLES ± 1° |
| SPEC | .X ± .1 SURFACES = 125° ✓ |
| DRAWN BY: CLOUGH | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R |
| CHECKED: MACKOVJAK | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| OPPS APPR: ANDERSON | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| QA APPR: LINDSAY | USED ON MODEL |
| APPROVED: GILBERT | AGUSTA AW139 |
| SCALE 1:1 | DATE 11/19/2012 |
| SHEET 11 OF 49 | |

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|-----------|---------|---|----------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 4 | 16-0029 | -087 CH'D DIM WAS (.52) IS .520 +.030-.000. | 2/9/2016 | RJC | JAG |

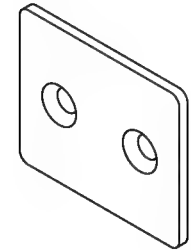
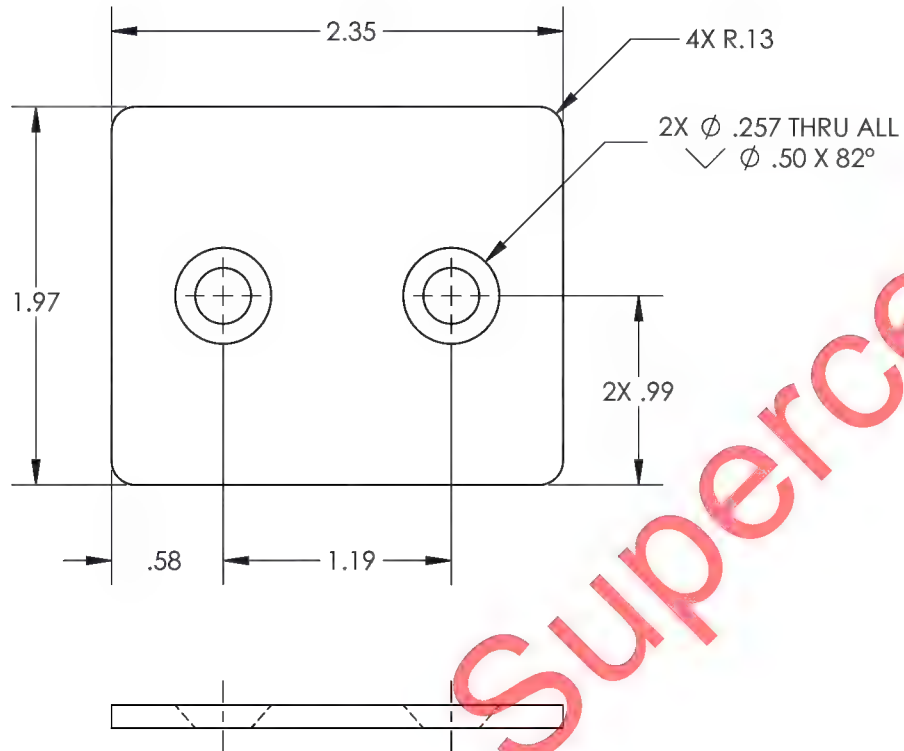


(-087)
GUIDE WELDMENT

| | |
|---|--|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-087 | REV 5 |
| MAT'L ASTM B633 TYPE II SC 2 | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES |
| HEAT TREAT YELLOW ZINC PLATE | .XXX ± .010 FRACTIONS ± 1/8 |
| FINISH YELLOW ZINC PLATE | .XX ± .03 ANGLES ± 1° |
| | .X ± .1 SURFACES = 125 |
| SPEC ASTM B633 TYPE II SC 2 | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R |
| DRAWN BY: MARPET | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| CHECKED: MACKOVJAK | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| OPPS APPR: ANDERSON | |
| QA APPR: LINDSAY | USED ON MODEL |
| APPROVED: GILBERT | AGUSTA AW139 |
| SCALE 1:1 | DATE 1/30/2013 |
| SHEET 12 OF 49 | |

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|-----------|---------|---|----------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 4 | 16-0029 | -089 CH'D COUNTERSINK WAS ✓ Ø.47 IS ✓ Ø.50. | 2/9/2016 | RJC | JAG |



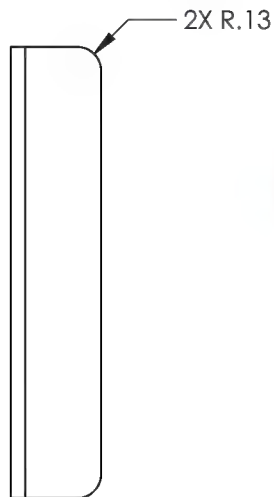
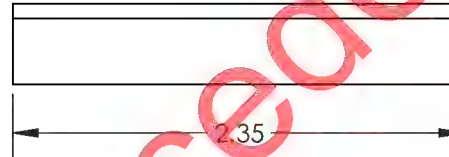
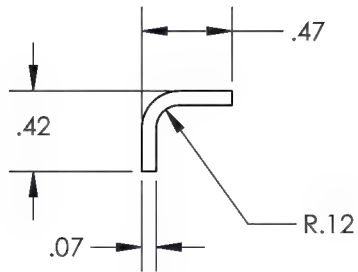
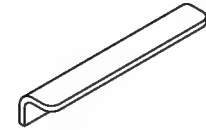
Superceded

(-089)
GUIDE PLATE

| | |
|---|---|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-089 | REV 5 |
| MAT'L 1018/1020 CR | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH SEE -087 WELDMENT | .XXX \pm .010 FRACTIONS \pm 1/8 |
| SPEC | .XX \pm .03 ANGLES \pm 1° |
| DRAWN BY: CLOUGH | .X \pm .1 SURFACES = 125° |
| CHECKED: MACKOVJAK | 1. BREAK ALL SHARP EDGES |
| OPPS APPR: ANDERSON | .015 x 45° OR .015R |
| QA APPR: LINDSAY | 2. DIMENSIONAL LIMITS APPLY |
| APPROVED: GILBERT | AFTER PLATING |
| SCALE 1:1 | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| DATE 11/19/2012 | USED ON MODEL |
| SHEET 13 OF 49 | AGUSTA AW139 |

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| REV | ECR | DESCRIPTION | DATE | INITIAL |
| | | | | APPROVED |



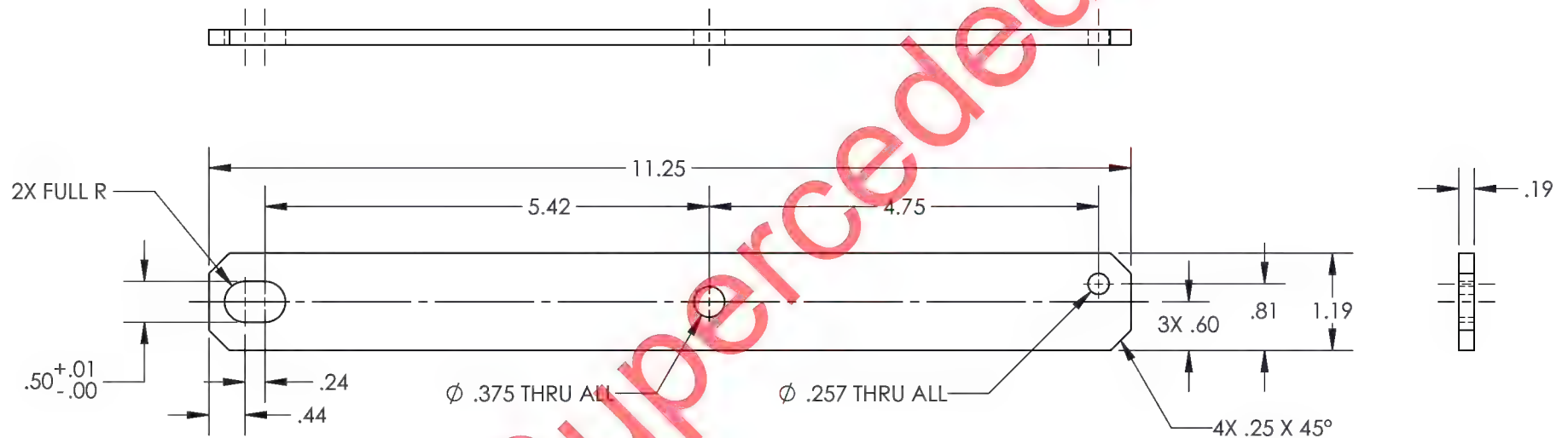
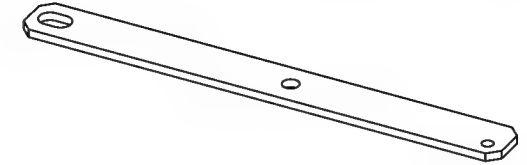
(-091)
GUIDE

Supercircled

| | |
|---|------------------------------|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-091 | REV 5 |
| MAT'L 1018/1020 CR | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH SEE -087 WELDMENT | .XXX ± .010 FRACTIONS ± 1/8 |
| SPEC | .XX ± .03 ANGLES ± 1° |
| | .X ± .1 SURFACES = 125✓ |
| DRAWN BY: CLOUGH | 1. BREAK ALL SHARP EDGES |
| CHECKED: MACKOVJAK | .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY |
| QA APPR: LINDSAY | AFTER PLATING |
| APPROVED: GILBERT | 3. INTERPRET DIM AND TOL PER |
| | ASME Y14.5M-2009 |
| | USED ON MODEL |
| | AGUSTA AW139 |
| SCALE 1:1 | DATE 11/19/2012 |
| | SHEET 14 OF 49 |

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|-----------|---------|--|-----------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 4 | 16-0029 | -093 CH'D DIM WAS .49 IS .50 +.01-.00. | 2/9/2016 | RJC | JAG |
| 5 | 17-0010 | -093 CH'D DIM WAS 2X .60 IS 3X .60, ADDED DIM 2X FULL R. | 3/18/2017 | RJC | JAG |



Superseded

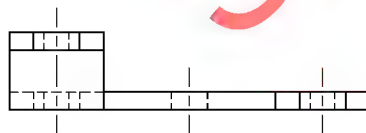
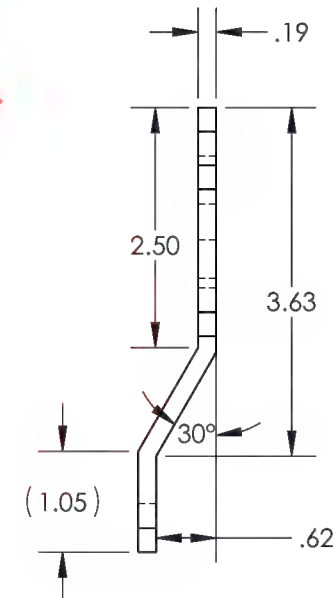
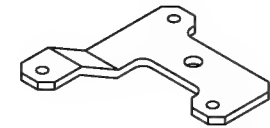
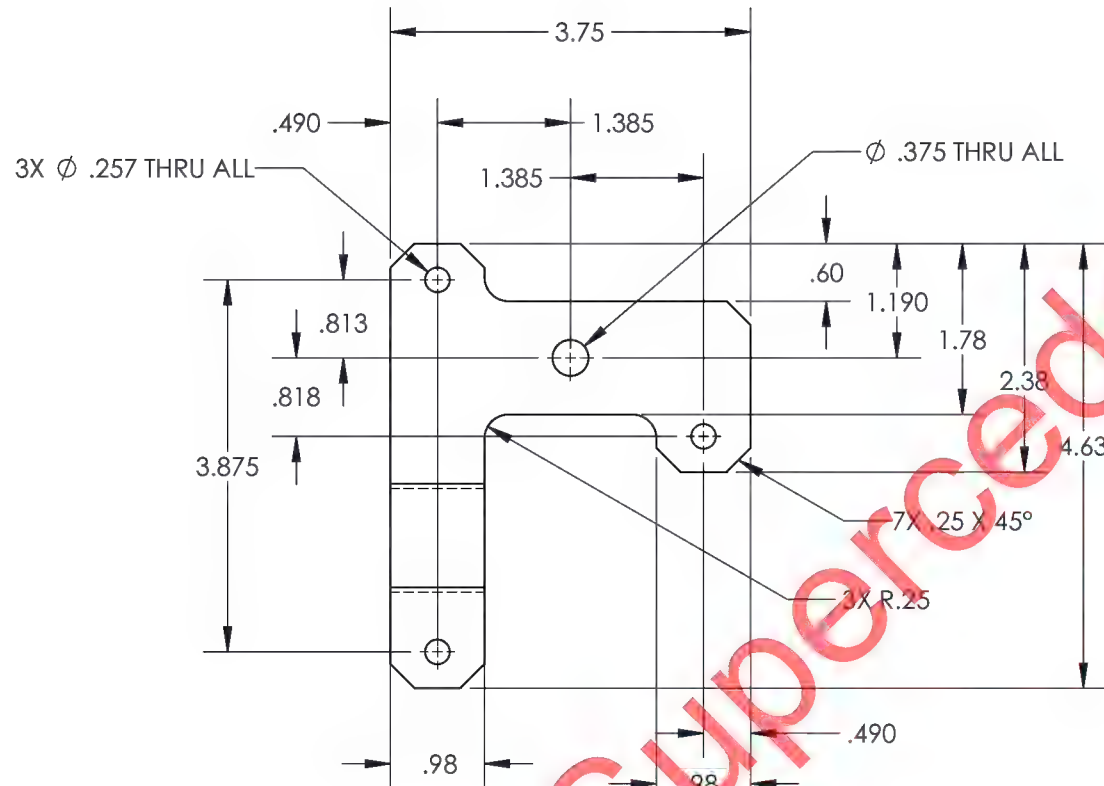
-093

TRANSFER BAR

| | |
|--|-------------------|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-093 | REV 5 |
| MAT'L 6061 HEAT TREAT FINISH POWDER COAT YELLOW SPEC FED #13538 | |
| DRAWN BY: MARPET CHECKED: MACKOVJAK OPPTS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 | |
| USED ON MODEL AGUSTA AW139 | |
| SCALE 1:2 | DATE 1/24/2013 |
| SHEET 15 OF 49 | |

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| REVISIONS | | | | |
|-----------|-----|-------------|------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL |
| | | | | APPROVED |



(-095)

TIE ROD PIVOT



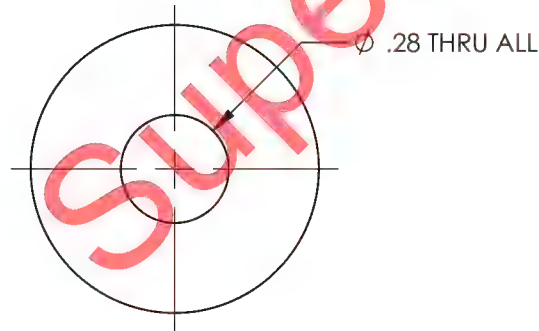
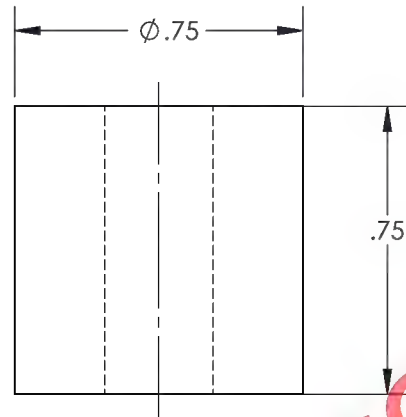
TITLE
TOW DOLLY

DWG NO. RBW0905G00134-3G-03-095 REV 5

| | | | |
|---------------------------|--|---|--|
| MAT'L 6061 | | UNLESS OTHERWISE SPECIFIED | |
| HEAT TREAT | | DIMENSIONS ARE IN INCHES | |
| FINISH POWDER COAT YELLOW | | .XXX ± .010 FRACTIONS ± 1/8 | |
| SPEC FED #13538 | | .XX ± .03 ANGLES ± 1° | |
| DRAWN BY: MARPET | | .X ± .1 SURFACES = 125° | |
| CHECKED: MACKOVJAK | | 1. BREAK ALL SHARP EDGES | |
| OPPS APPR: ANDERSON | | .015 x 45° OR .015R | |
| QA APPR: LINDSAY | | 2. DIMENSIONAL LIMITS APPLY | |
| APPROVED: GILBERT | | AFTER PLATING | |
| SCALE 1:2 | | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 | |
| DATE 1/28/2013 | | USED ON MODEL | |
| SHEET 16 OF 49 | | AGUSTA AW139 | |

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| REVISIONS | | | | | |
|-----------|---------|---|----------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 3 | 14-0228 | -097 CH'D CENTER HOLE WAS 1/4-28 UNF THRU IS Ø.28 THRU ALL. | 2/2/2015 | RJC | JAG |



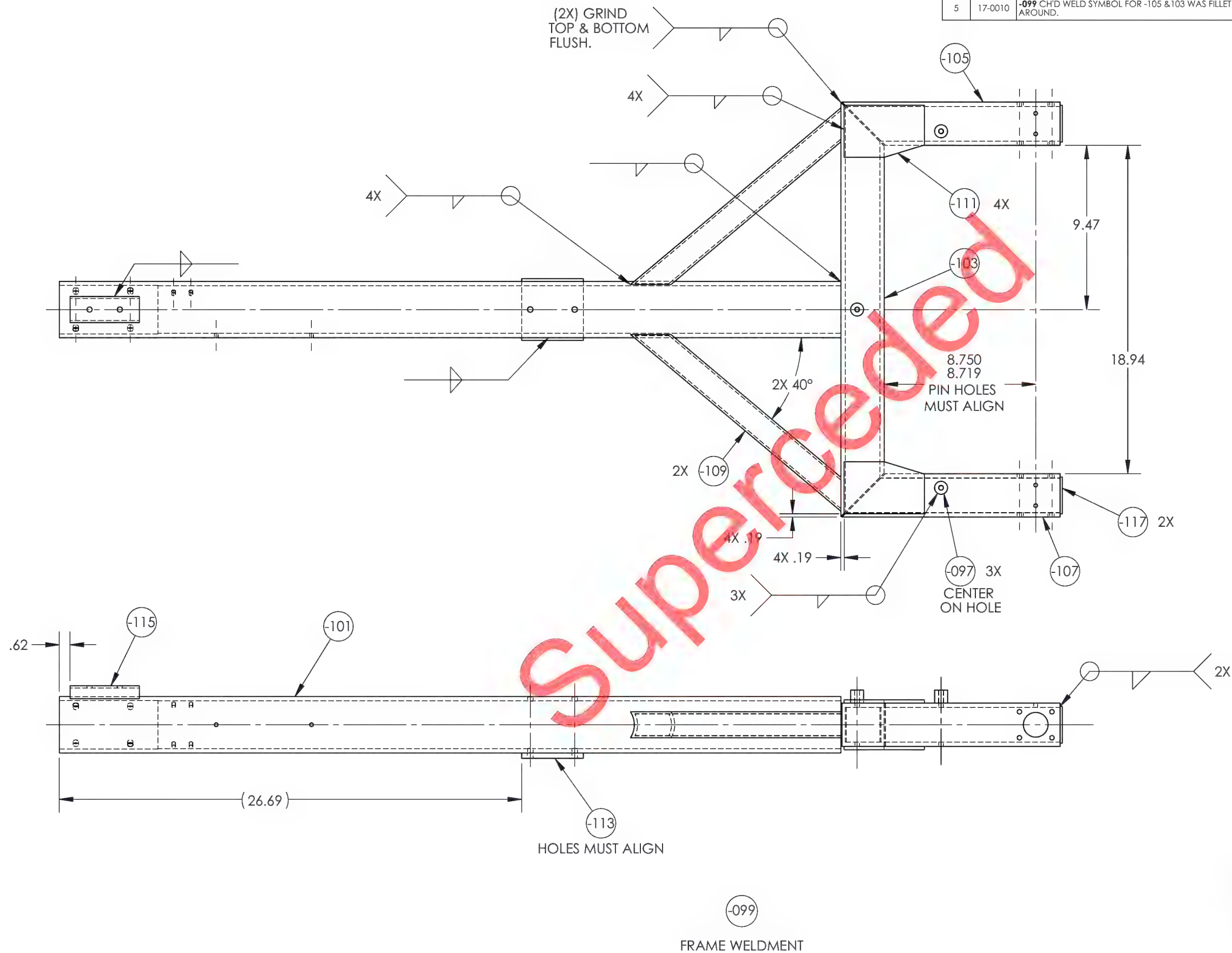
(-097)

RISER

| | |
|---|---|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-097 | REV 5 |
| MAT'L 6061 | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH SEE -099 WELDMENT | .XXX ± .005 FRACTIONS ± 1/8 |
| SPEC | .XX ± .01 ANGLES ± .5° |
| | .X ± .1 SURFACES = 125° |
| DRAWN BY: MARPET | 1. BREAK ALL SHARP EDGES |
| CHECKED: MACKOVJAK | .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY |
| QA APPR: LINDSAY | AFTER PLATING |
| APPROVED: GILBERT | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| SCALE 2:1 | USED ON MODEL |
| DATE 1/24/2013 | AGUSTA AW139 |
| SHEET 17 OF 49 | |

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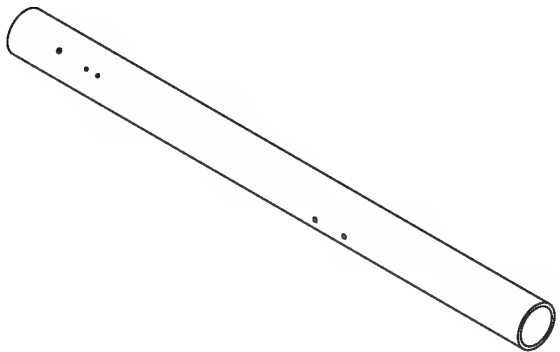
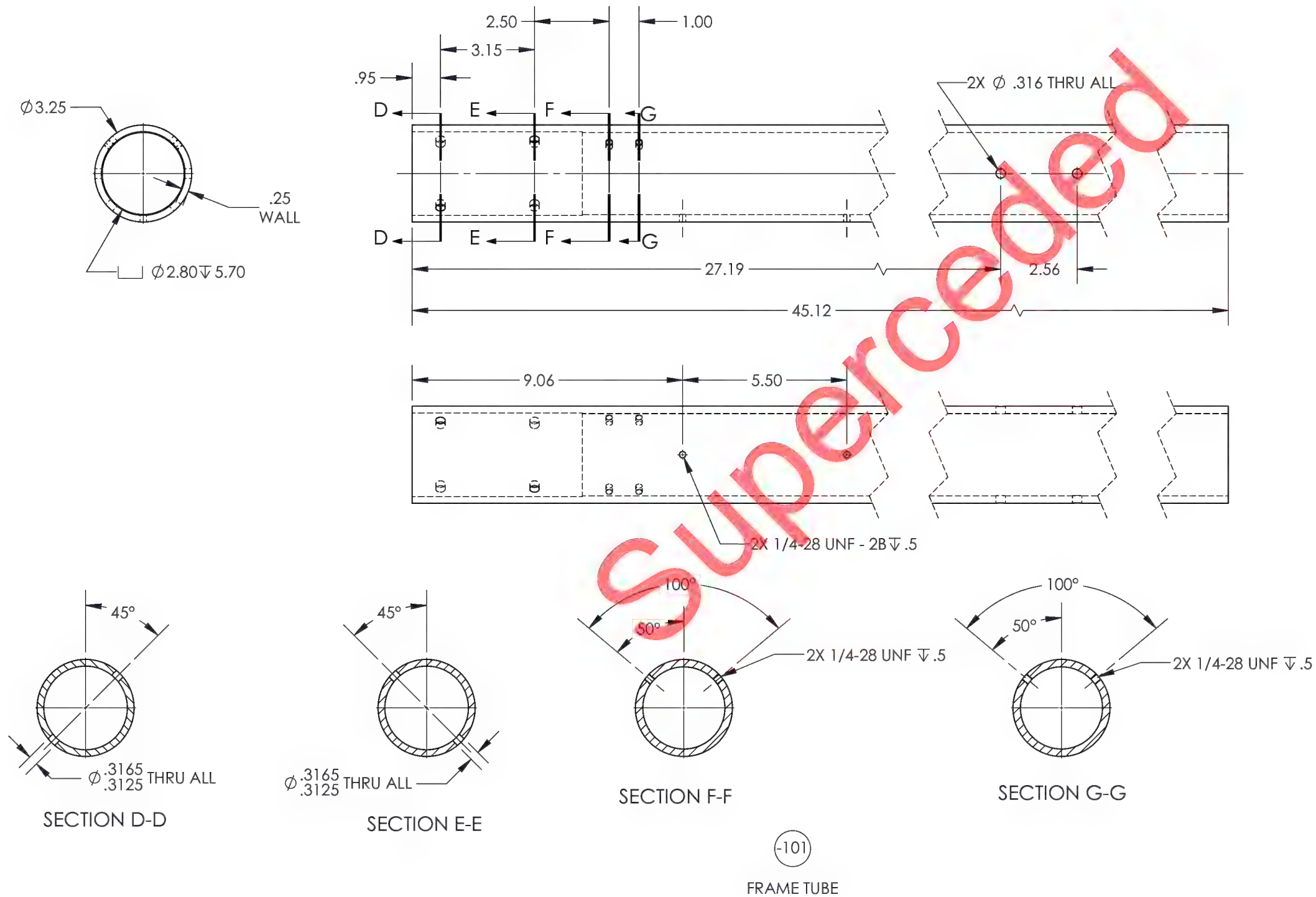
| REVISIONS | | | | |
|-----------|---------|---|-----------|---------|
| REV | ECR | DESCRIPTION | DATE | INITIAL |
| 4 | 16-0029 | -099 CH'D WELD SYMBOL FOR -113. | 2/9/2016 | RJC |
| 5 | 17-0010 | -099 CH'D WELD SYMBOL FOR -105 & 103 WAS FILLET WELD ALL AROUND. .06 IS FILLET WELD ALL AROUND. | 3/18/2017 | RJC |



| DART AEROSPACE | | | |
|---------------------------------|--|---|-------|
| TITLE TOW DOLLY | | | |
| DWG NO. RBW0905G00134-3G-03-099 | | | REV 5 |
| MAT'L | | UNLESS OTHERWISE SPECIFIED | |
| HEAT TREAT | | DIMENSIONS ARE IN INCHES | |
| FINISH POWDER COAT YELLOW | | .XXX ± .010 FRACTIONS ± 1/8 | |
| SPEC FED #13538 | | .XX ± .03 ANGLES ± 1° | |
| DRAWN BY: PERRITT | | .X ± .1 SURFACES = 125/ | |
| CHECKED: MACKOVJAK | | 1. BREAK ALL SHARP EDGES | |
| OPPS APPR: ANDERSON | | .015 x 45° OR .015R | |
| QA APPR: LINDSAY | | 2. DIMENSIONAL LIMITS APPLY | |
| APPROVED: GILBERT | | AFTER PLATING | |
| SCALE 1:6 | | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 | |
| DATE 2/12/2013 | | USED ON MODEL | |
| SHEET 18 OF 49 | | AGUSTA AW139 | |

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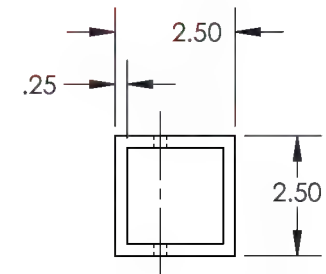
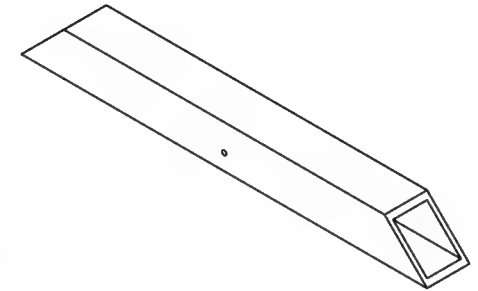
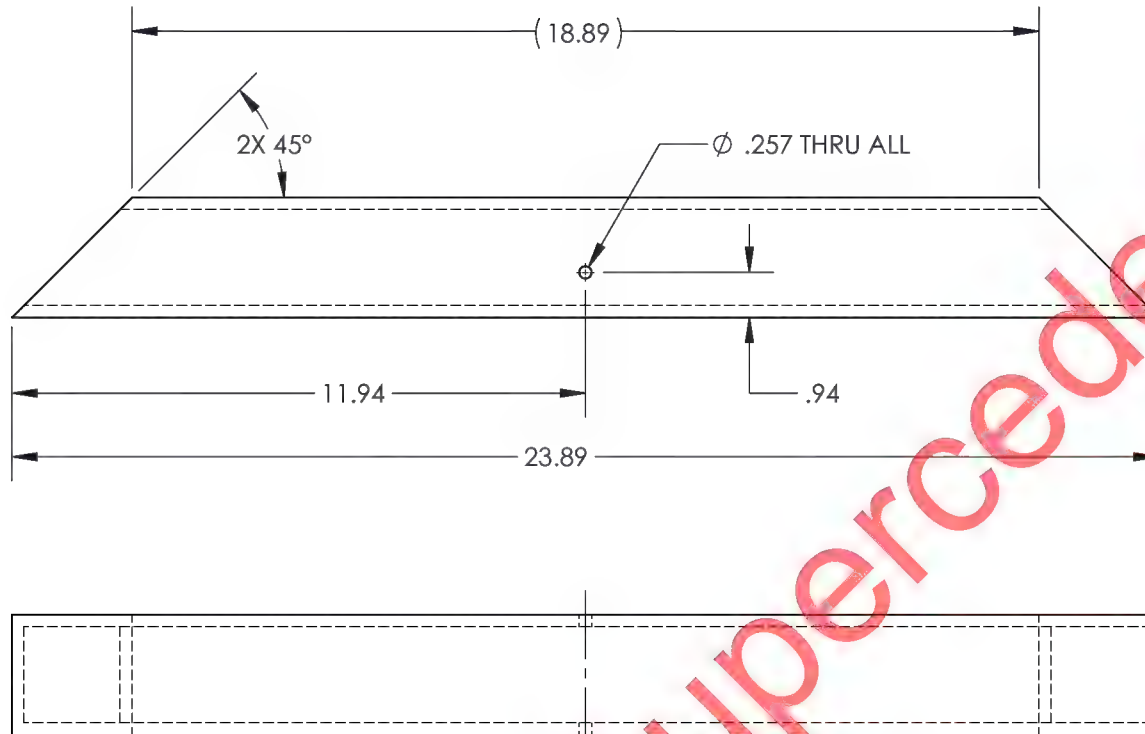
| REVISIONS | | | | | |
|-----------|---------|---|-----------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 3 | 14-0228 | -101 CH'D DIMENSION WAS 2X Ø.257 THRU ALL IS 2X Ø.316 THRU ALL. ADDED MISSING DIM. 2X 1/4-28 UNF .5. CHD' DIM SECTION D-D AND E-E WAS Ø.257 THRU ALL IS Ø.3165 - .3125. | 2/2/2015 | RJC | JAG |
| 5 | 17-0010 | -101 CH'D DIM WAS (.25 WALL) IS .25 WALL. | 3/18/2017 | RJC | JAG |



| DART AEROSPACE | | | |
|---------------------------------|--|--|----------------|
| TITLE TOW DOLLY | | | |
| DWG NO. RBW0905G00134-3G-03-101 | | | REV 5 |
| MAT'L 6061 | | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | |
| HEAT TREAT | | .XXX \pm .005 FRACTIONS \pm 1/8 | |
| FINISH SEE -.099 WELDMENT | | .XX \pm .01 ANGLES \pm .5° | |
| SPEC | | .X \pm .1 SURFACES = 125✓ | |
| DRAWN BY: PERRITT | | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R | |
| CHECKED: MACKOVJAK | | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING | |
| OPPS APPR: ANDERSON | | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 | |
| QA APPR: LINDSAY | | USED ON MODEL | |
| APPROVED: GILBERT | | AGUSTA AW139 | |
| SCALE 1:4 | | DATE 2/12/2010 | SHEET 19 OF 49 |

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| REVISIONS | | | | |
|-----------|-----|-------------|------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL |
| | | | | APPROVED |



(-103)

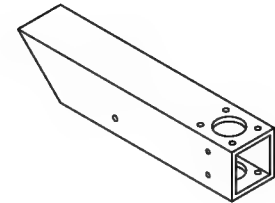
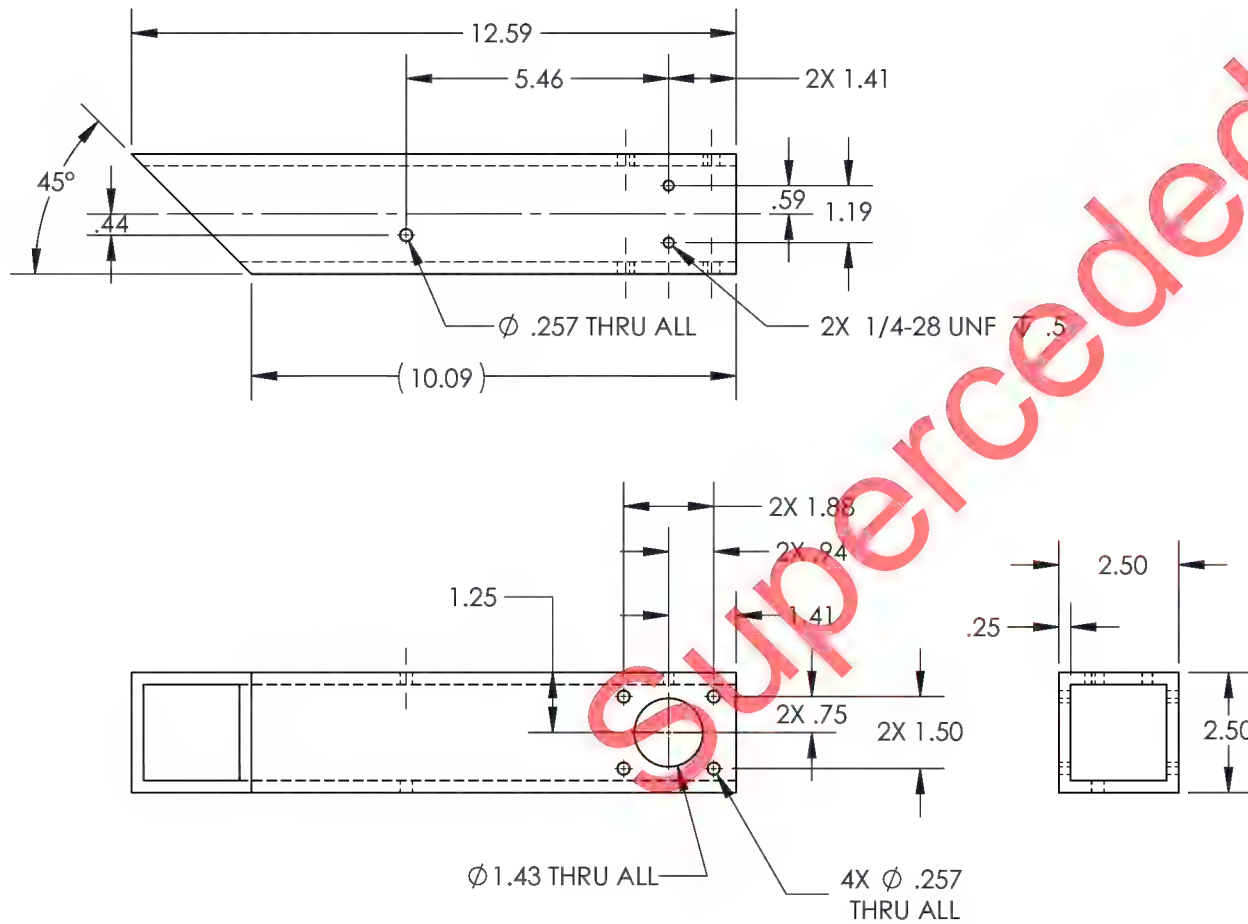
FRONT



| | | | |
|--------------------------|-----------------------------|----------------|-------|
| TITLE | | TOW DOLLY | |
| DWG NO. | RBWO905G00134-3G-03-103 | | REV 5 |
| MAT'L 6061 | UNLESS OTHERWISE SPECIFIED | | |
| HEAT TREAT | DIMENSIONS ARE IN INCHES | | |
| FINISH SEE -099 WELDMENT | .XXX ± .005 FRACTIONS ± 1/8 | | |
| SPEC | .XX ± .01 ANGLES ± .5° | | |
| DRAWN BY: MARPET | .X ± .1 SURFACES = 125° | | |
| CHECKED: MACKOVJAK | 1. BREAK ALL SHARP EDGES | | |
| OPPS APPR: ANDERSON | .015 x 45° OR .015R | | |
| QA APPR: LINDSAY | 2. DIMENSIONAL LIMITS APPLY | | |
| APPROVED: GILBERT | AFTER PLATING | | |
| SCALE 1:4 | DATE 1/24/2013 | SHEET 20 OF 49 | |

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| REVISIONS | | | | |
|-----------|---------|--|----------|---------|
| REV | ECR | DESCRIPTION | DATE | INITIAL |
| 4 | 16-0029 | -105 DELETED DIM'S .66 & .81, ADDED DIM'S .59 & .44. | 2/9/2016 | RJC |
| | | | | JAG |



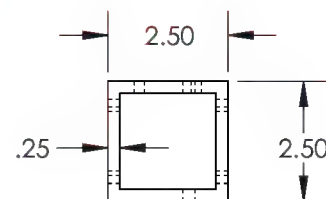
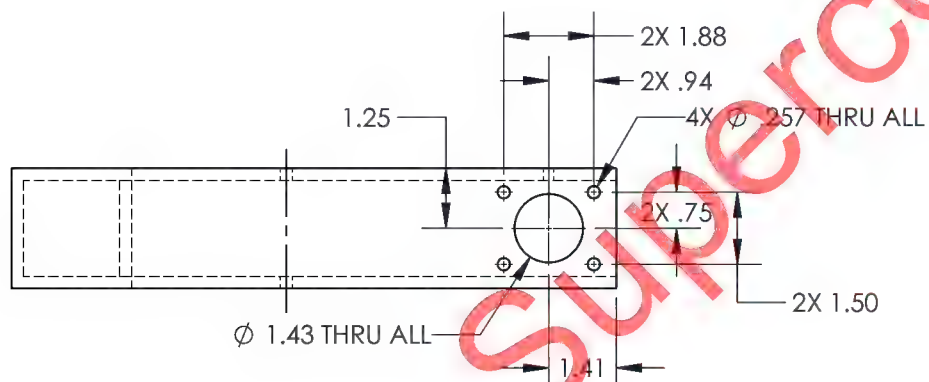
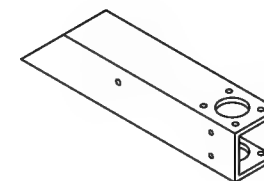
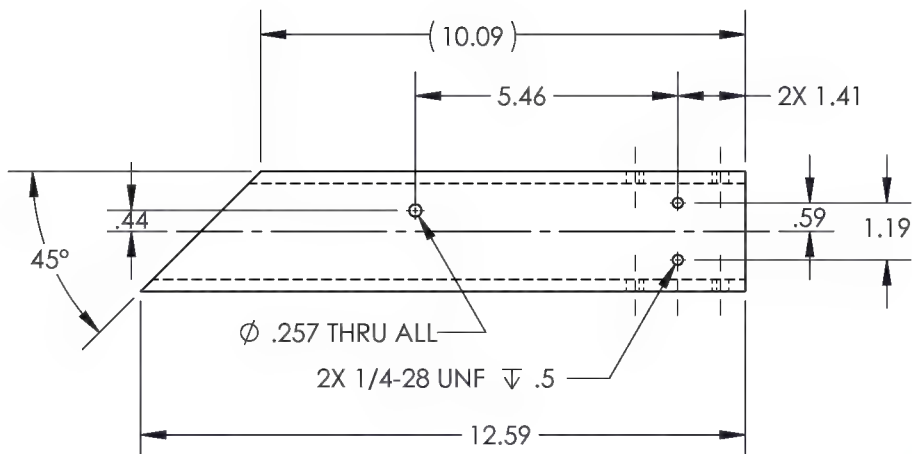
| | |
|---|------------------------------|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-105 | REV 5 |
| MAT'L 6061 | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH SEE -099 WELDMENT | .XXX ± .005 FRACTIONS ± 1/8 |
| SPEC | .XX ± .01 ANGLES ± 5° |
| | .X ± .1 SURFACES = 125° |
| DRAWN BY: PERRITT | 1. BREAK ALL SHARP EDGES |
| CHECKED: MACKOVJAK | .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY |
| QA APPR: LINDSAY | AFTER PLATING |
| APPROVED: GILBERT | 3. INTERPRET DIM AND TOL PER |
| | ASME Y14.5M-2009 |
| SCALE 1:4 | DATE 2/12/2010 |
| | SHEET 21 OF 49 |

(105)

RIGHT SIDE

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| REVISIONS | | | | |
|-----------|---------|--|----------|---------|
| REV | ECR | DESCRIPTION | DATE | INITIAL |
| 4 | 16-0029 | -107 DELETED DIM'S .66 & .81, ADDED DIM'S .59 & .44. | 2/9/2016 | RJC |
| | | | | JAG |



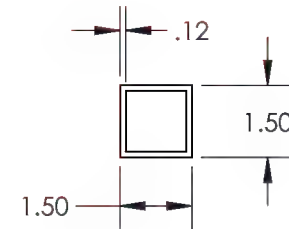
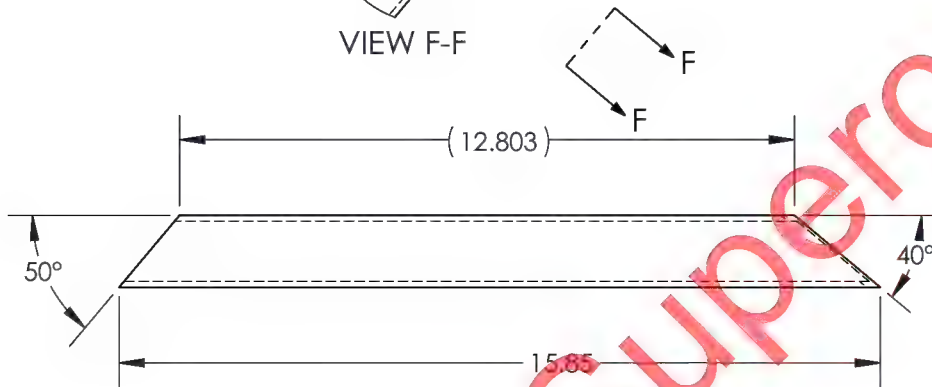
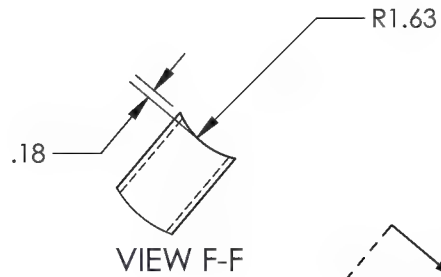
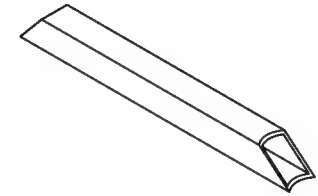
(-107)

LEFT SIDE

| | |
|---|------------------------------|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-107 | REV 5 |
| MAT'L 6061 | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH SEE -099 WELDMENT | .XXX ± .005 FRACTIONS ± 1/8 |
| SPEC | .XX ± .01 ANGLES ± 5° |
| | .X ± .1 SURFACES = 125° |
| DRAWN BY: PERRITT | 1. BREAK ALL SHARP EDGES |
| CHECKED: MACKOVJAK | .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY |
| QA APPR: LINDSAY | AFTER PLATING |
| APPROVED: GILBERT | 3. INTERPRET DIM AND TOL PER |
| | ASME Y14.5M-2009 |
| SCALE 1:4 | DATE 2/12/2010 |
| | SHEET 22 OF 49 |

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| REVISIONS | | | |
|-----------|-----|-------------|-----------------------|
| REV | ECR | DESCRIPTION | DATE INITIAL APPROVED |



(-109)

BRACE



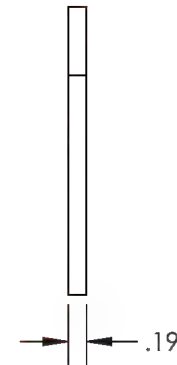
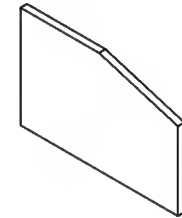
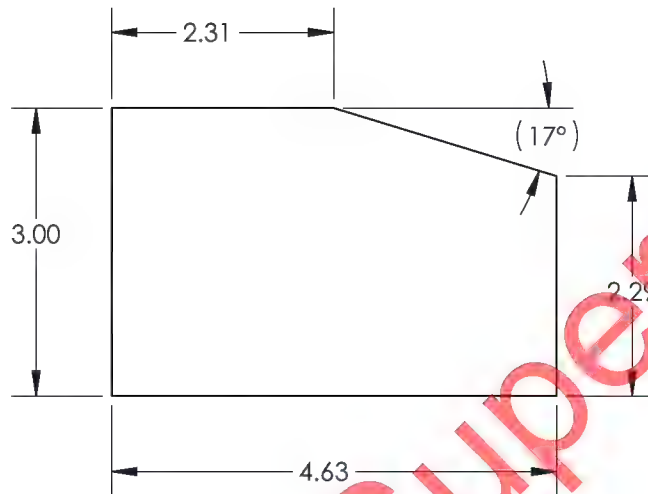
TITLE
TOW DOLLY

DWG NO. RBW0905G00134-3G-03-109 REV 5

| | | | |
|--------------------------|--|------------------------------|--|
| MAT'L 6061 | | UNLESS OTHERWISE SPECIFIED | |
| TREAT | | DIMENSIONS ARE IN INCHES | |
| FINISH SEE -099 WELDMENT | | .XXX ± .010 FRACTIONS ± 1/8 | |
| SPEC | | .XX ± .03 ANGLES ± 1° | |
| DRAWN BY: MARPET | | .X ± .1 SURFACES = 125° | |
| CHECKED: MACKOVJAK | | 1. BREAK ALL SHARP EDGES | |
| OPPS APPR: ANDERSON | | .015 x 45° OR .015R | |
| QA APPR: LINDSAY | | 2. DIMENSIONAL LIMITS APPLY | |
| APPROVED: GILBERT | | AFTER PLATING | |
| SCALE 1:4 | | 3. INTERPRET DIM AND TOL PER | |
| DATE 1/28/2013 | | ASME Y14.5M-2009 | |
| SHEET 23 OF 49 | | USED ON MODEL | |
| | | AGUSTA AW139 | |

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|-----------|-----|-------------|------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL |
| | | | | APPROVED |



(-111)

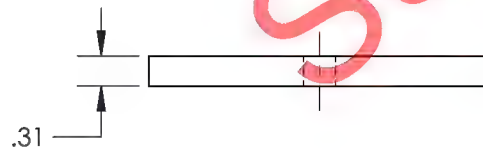
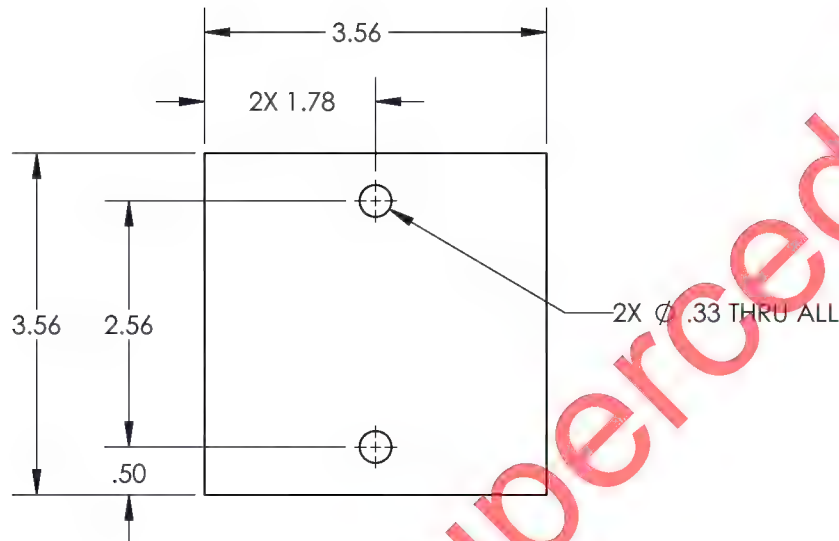
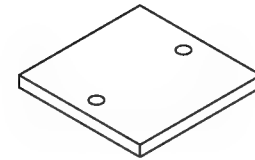
GUSSET



| | | | |
|--------------------------|--|---|--|
| TITLE | | TOW DOLLY | |
| DWG NO. | | RBW0905G00134-3G-03-111 | |
| REV | | 5 | |
| MAT'L 6061 | | UNLESS OTHERWISE SPECIFIED | |
| HEAT TREAT | | DIMENSIONS ARE IN INCHES | |
| FINISH SEE -099 WELDMENT | | .XXX ± .010 FRACTIONS ± 1/8 | |
| SPEC | | .XX ± .03 ANGLES ± 1° | |
| DRAWN BY: MARPET | | .X ± .1 SURFACES = 125° | |
| CHECKED: MACKOVJAK | | 1. BREAK ALL SHARP EDGES | |
| OPPS APPR: ANDERSON | | .015 x 45° OR .015R | |
| QA APPR: LINDSAY | | 2. DIMENSIONAL LIMITS APPLY | |
| APPROVED: GILBERT | | AFTER PLATING | |
| SCALE 1:2 | | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 | |
| DATE 1/24/2013 | | USED ON MODEL | |
| SHEET 24 OF 49 | | AGUSTA AW139 | |

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| REVISIONS | | | | |
|-----------|---------|--|----------|---------|
| REV | ECR | DESCRIPTION | DATE | INITIAL |
| 3 | 14-0228 | -113 CH'D HOLE WAS 2X Ø.257 THRU ALL IS Ø .33. | 2/2/2015 | RJC |
| | | | | JAG |



(-113)

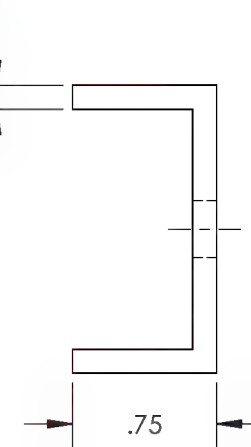
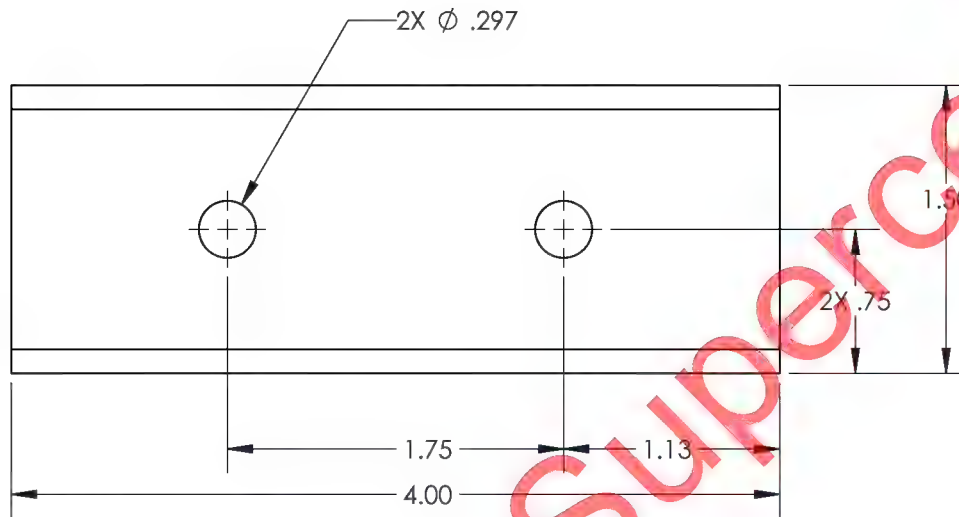
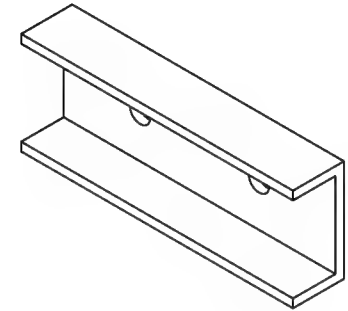
WHEEL PLATE



| | | | |
|--------------------------|--|---|--|
| TITLE | | TOW DOLLY | |
| DWG NO. | | RBW0905G00134-3G-03-113 | |
| REV | | 5 | |
| MAT'L 6061 | | UNLESS OTHERWISE SPECIFIED | |
| HEAT TREAT | | DIMENSIONS ARE IN INCHES | |
| FINISH SEE -099 WELDMENT | | .XXX ± .010 FRACTIONS ± 1/8 | |
| SPEC | | .XX ± .03 ANGLES ± 1° | |
| DRAWN BY: MARPET | | .X ± .1 SURFACES = 125° | |
| CHECKED: MACKOVJAK | | 1. BREAK ALL SHARP EDGES | |
| OPPS APPR: ANDERSON | | .015 x 45° OR .015R | |
| QA APPR: LINDSAY | | 2. DIMENSIONAL LIMITS APPLY | |
| APPROVED: GILBERT | | AFTER PLATING | |
| SCALE 1:2 | | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 | |
| DATE 1/24/2013 | | USED ON MODEL | |
| SHEET 25 OF 49 | | AGUSTA AW139 | |

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|-----------|---------|--------------------------------------|----------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 3 | 14-0228 | -115 CH'D MATERIAL WAS 6061 IS 6063. | 2/2/2015 | RJC | JAG |

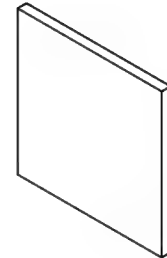
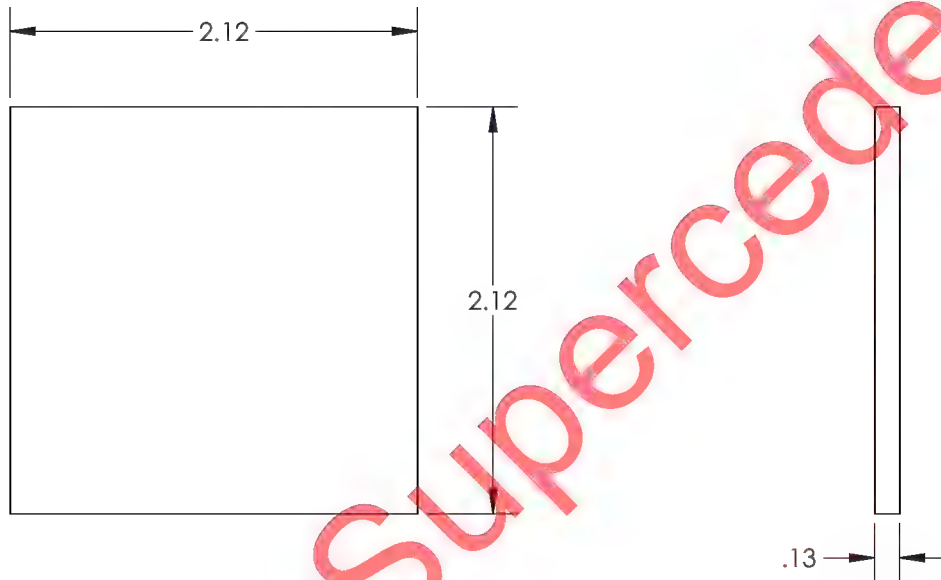


(-115)
CHANNEL

| | |
|---|--|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-115 | REV 5 |
| MAT'L 6063 | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES |
| HEAT TREAT | .XXX ± .005 FRACTIONS ± 1/8 |
| FINISH SEE -099 WELDMENT | .XX ± .01 ANGLES ± 5° |
| SPEC | .X ± .1 SURFACES = 125° |
| DRAWN BY: MARPET | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R |
| CHECKED: MACKOVJAK | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| OPPS APPR: ANDERSON | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| QA APPR: LINDSAY | USED ON MODEL |
| APPROVED: GILBERT | AGUSTA AW139 |
| SCALE 1:1 | DATE 1/24/2013 |
| SHEET 26 OF 49 | |

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|-----------|-----|-------------|------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |

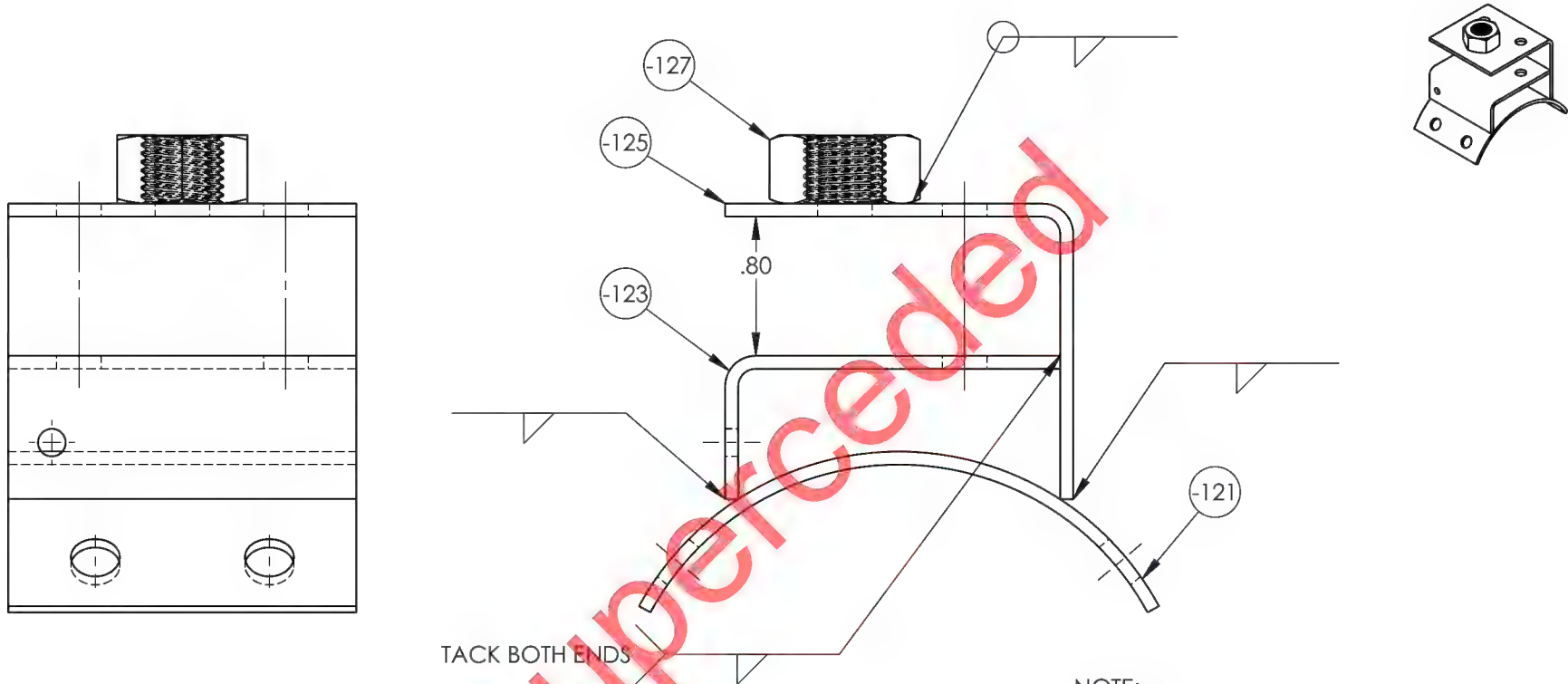


(-117)
END CAP

| | |
|------------------------------------|------------------------------|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-117 | REV 5 |
| MAT'L 6061 | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH SEE -099 WELDMENT | .XXX ± .010 FRACTIONS ± 1/8 |
| SPEC | .XX ± .03 ANGLES ± 1° |
| | .X ± .1 SURFACES = 125° |
| DRAWN BY: MARPET | 1. BREAK ALL SHARP EDGES |
| CHECKED: MACKOVJAK | .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY |
| QA APPR: LINDSAY | AFTER PLATING |
| APPROVED: GILBERT | 3. INTERPRET DIM AND TOL PER |
| | ASME Y14.5M-2009 |
| SCALE 1:1 | DATE 1/24/2013 |
| | SHEET 27 OF 49 |

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|-----------|---------|------------------|-----------|---------|
| REV | ECR | DESCRIPTION | DATE | INITIAL |
| 2A | 14-0158 | -119 ADDED NOTE. | 9/24/2014 | DJN |
| | | | | JAG |



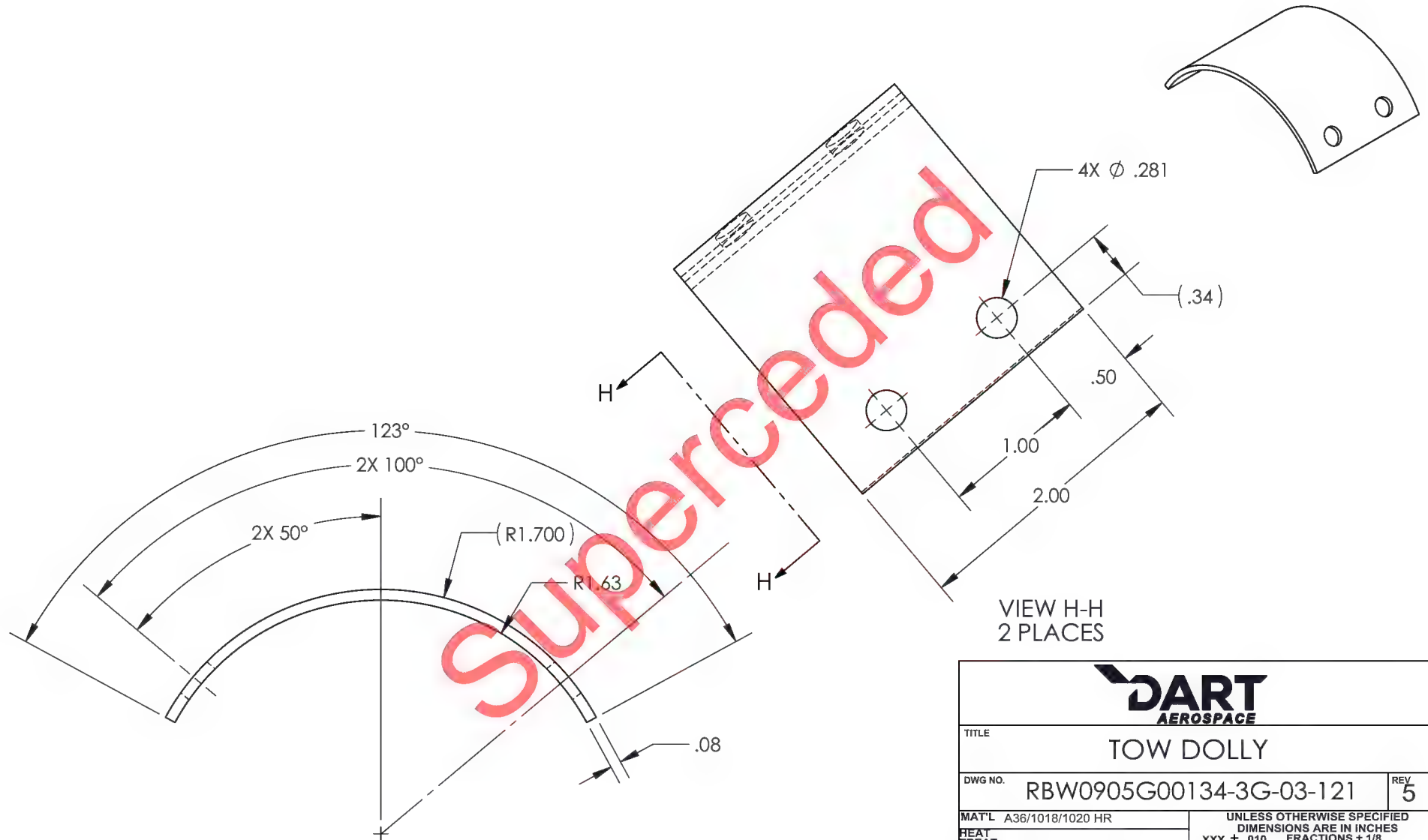
NOTE:
CENTER -123, -125 ON -121.

-119
HANDLE BRACKET WELDMENT

| | |
|---|--|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-119 | REV 5 |
| MAT'L 6061-T6 ALUMINUM | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES |
| FEAT POWDER COAT YELLOW | .XXX ± .010 FRACTIONS ± 1/8 |
| FINISH POWDER COAT YELLOW | .XX ± .03 ANGLES ± 1° |
| SPEC FED #13538 | .X ± .1 SURFACES = 125° |
| DRAWN BY: MARPET | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R |
| CHECKED: MACKOVJAK | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| OPPS APPR: ANDERSON | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| QA APPR: LINDSAY | USED ON MODEL |
| APPROVED: GILBERT | AGUSTA AW139 |
| SCALE 1:1 | DATE 1/28/2013 |
| SHEET 28 OF 49 | |

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|-----------|---------|----------------------|-----------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 2A | 14-0158 | -121 ADDED AUX VIEW. | 9/24/2014 | DJN | JAG |



(-121)

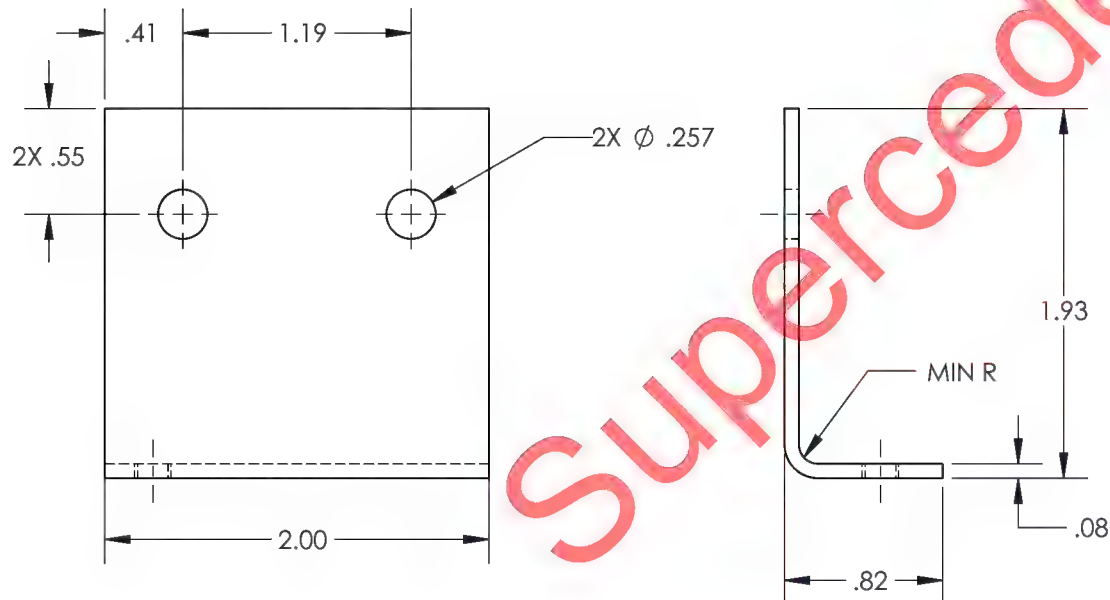
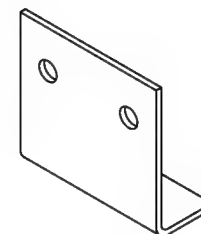
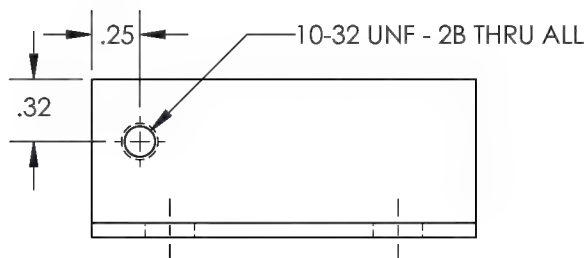
BASE

VIEW H-H
2 PLACES

| | |
|---|--|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-121 | REV 5 |
| MAT'L A36/1018/1020 HR | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES |
| HEAT TREAT | .XXX ± .010 FRACTIONS ± 1/8 |
| FINISH SEE -119 WELDMENT | .XX ± .03 ANGLES ± 1° |
| SPEC | .X ± .1 SURFACES = 125° |
| DRAWN BY: MARPET | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R |
| CHECKED: MACKOVJAK | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| OPPS APPR: ANDERSON | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| QA APPR: LINDSAY | USED ON MODEL |
| APPROVED: GILBERT | AGUSTA AW139 |
| SCALE 1:1 | DATE 1/23/2013 |
| SHEET 29 OF 49 | |

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| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 4 | 16-0029 | -123 ADDED #10-32 HOLE. | 2/9/2016 | RJC | JAG |



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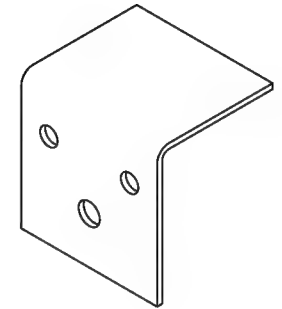
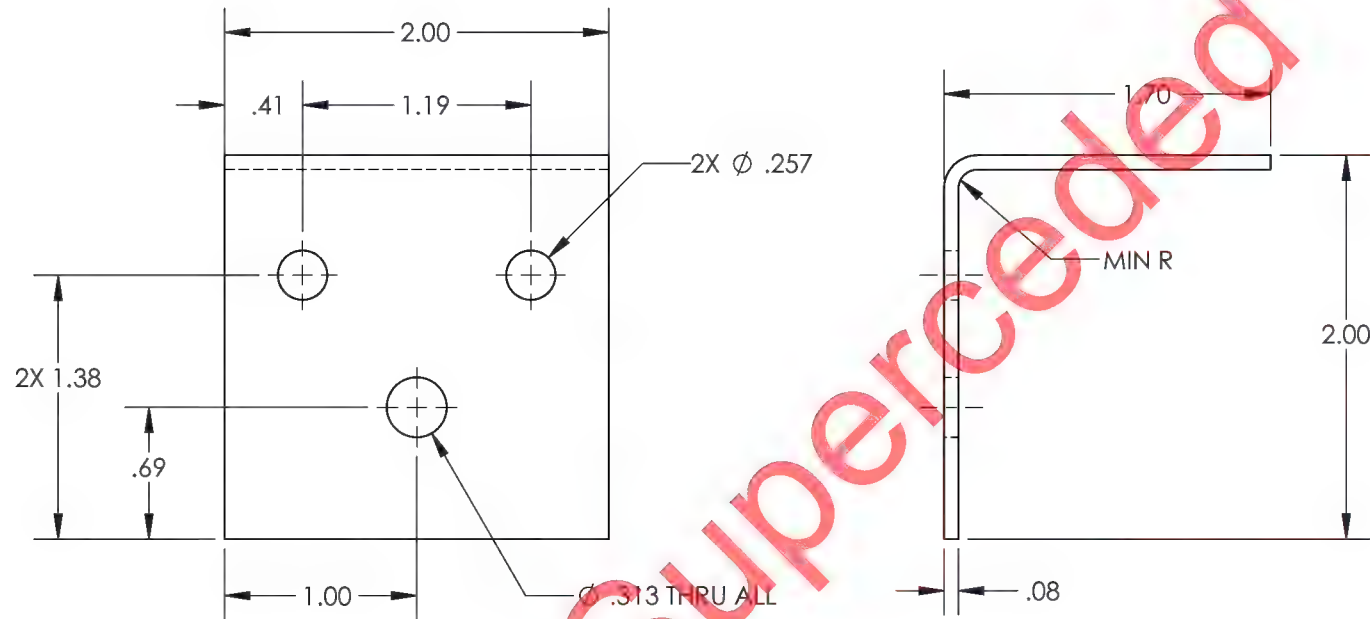
-123

INSIDE

| | |
|---|------------------------------|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-123 | REV 5 |
| MAT'L A36/1018/1020 HR | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH SEE -119 WELDMENT | .XXX ± .010 FRACTIONS ± 1/8 |
| SPEC | .XX ± .03 ANGLES ± 1° |
| | .X ± .1 SURFACES = 125° |
| DRAWN BY: MARPET | 1. BREAK ALL SHARP EDGES |
| CHECKED: MACKOVJAK | .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY |
| QA APPR: LINDSAY | AFTER PLATING |
| APPROVED: GILBERT | 3. INTERPRET DIM AND TOL PER |
| | ASME Y14.5M-2009 |
| SCALE 1:1 | DATE 1/24/2013 |
| | SHEET 30 OF 49 |

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| REV | ECR | DESCRIPTION | DATE | INITIAL |
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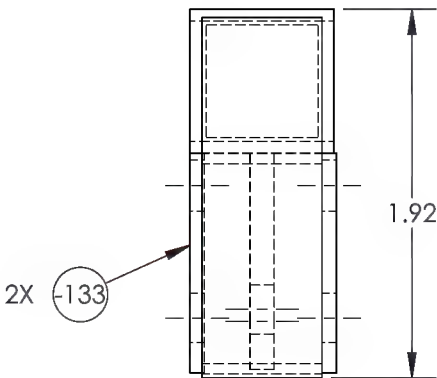
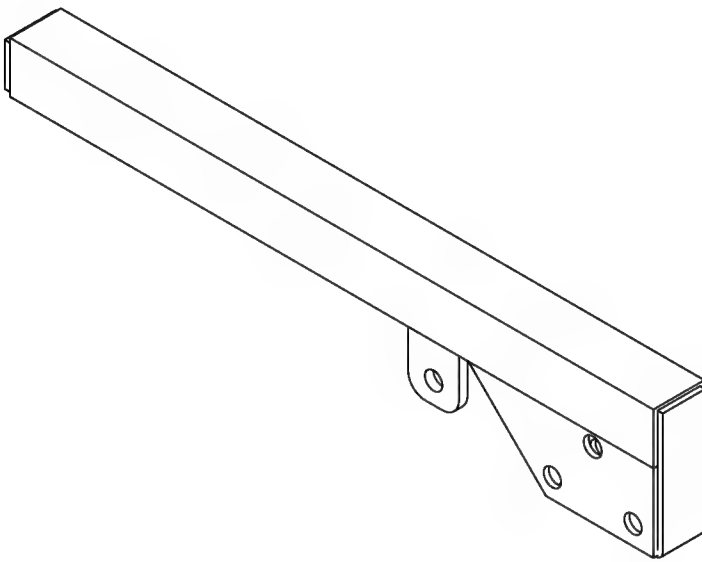
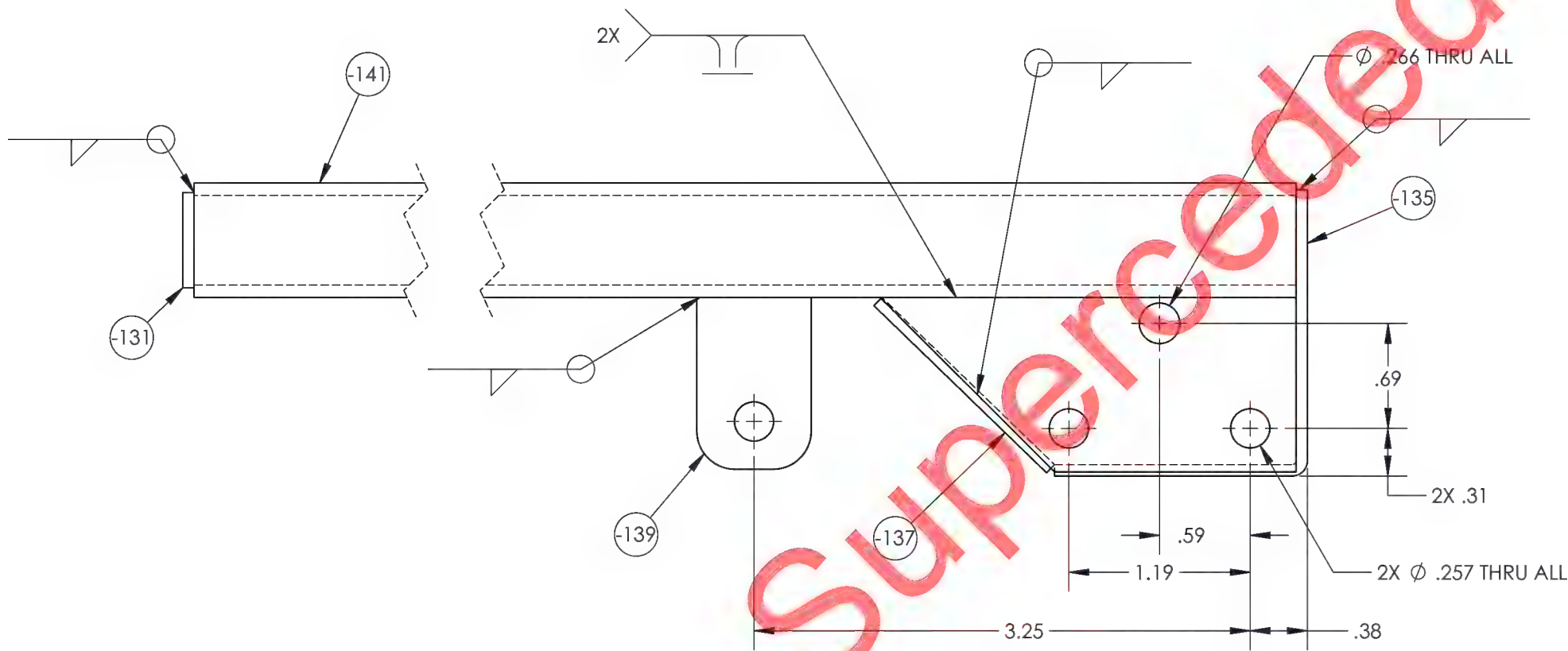


-125
OUTSIDE

| | |
|---|---|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-125 | REV 5 |
| MAT'L A36/1018/1020 HR | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH SEE -119 WELDMENT | .XXX ± .010 FRACTIONS ± 1/8 |
| SPEC | .XX ± .03 ANGLES ± 1° |
| | .X ± .1 SURFACES = 125° |
| DRAWN BY: MARPET | 1. BREAK ALL SHARP EDGES |
| CHECKED: MACKOVJAK | .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY |
| QA APPR: LINDSAY | AFTER PLATING |
| APPROVED: GILBERT | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| SCALE 1:1 | DATE 1/24/2013 |
| | SHEET 31 OF 49 |

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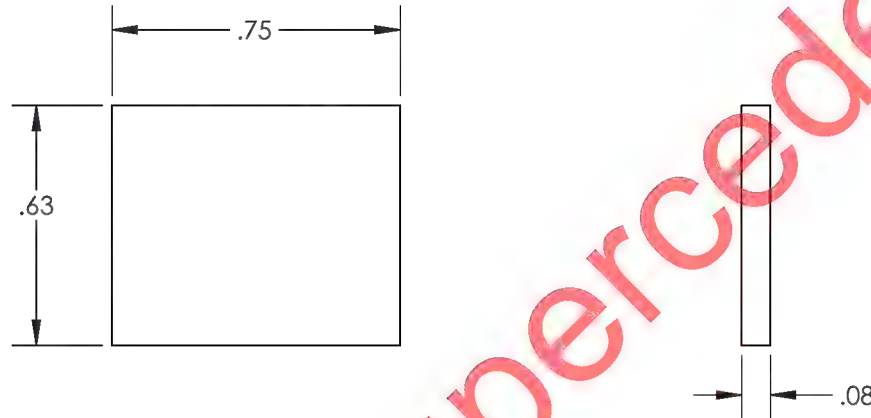
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| | | | | APPROVED |



| DART AEROSPACE | | | |
|--|----------------|---|-------|
| TITLE TOW DOLLY | | | |
| DWG NO. RBW0905G00134-3G-03-129 | | | REV 5 |
| MATERIAL HEAT TREAT FINISH POWDER COAT YELLOW SPEC FED #13538 | | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125° | |
| DRAWN BY: MARPET | | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R | |
| CHECKED: MACKOVJAK | | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING | |
| OPPS APPR: ANDERSON | | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 | |
| QA APPR: LINDSAY | | USED ON MODEL | |
| APPROVED: GILBERT | | AGUSTA AW139 | |
| SCALE 1:1 | DATE 1/29/2013 | SHEET 32 OF 49 | |

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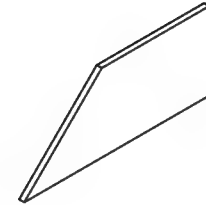
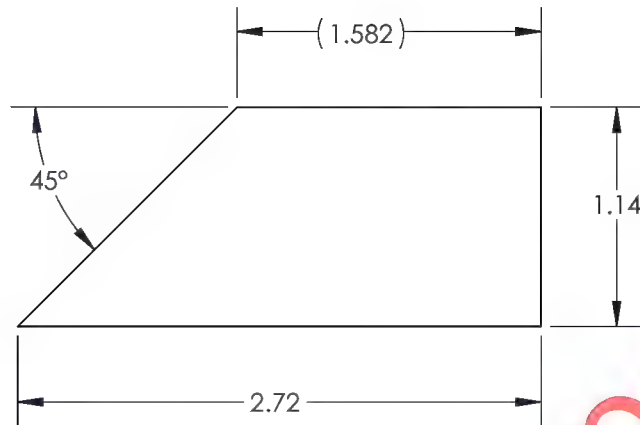
(-131)

END CAP

| | |
|------------------------------------|------------------------------|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-131 | REV 5 |
| MAT'L A36/1018/1020 HR | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH SEE -129 WELDMENT | .XXX ± .010 FRACTIONS ± 1/8 |
| SPEC | .XX ± .03 ANGLES ± 1° |
| | .X ± .1 SURFACES = 125° |
| DRAWN BY: MARPET | 1. BREAK ALL SHARP EDGES |
| CHECKED: MACKOVJAK | .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY |
| QA APPR: LINDSAY | AFTER PLATING |
| APPROVED: GILBERT | 3. INTERPRET DIM AND TOL PER |
| | ASME Y14.5M-2009 |
| SCALE 2:1 | USED ON MODEL |
| DATE 1/24/2013 | AGUSTA AW139 |
| SHEET 33 OF 49 | |

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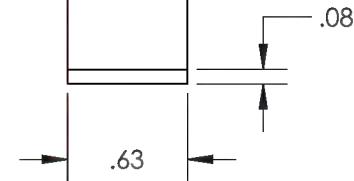
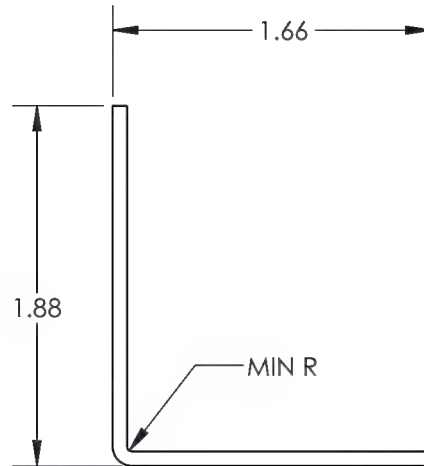
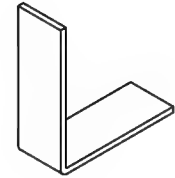
(-133)

SIDE PLATE

| | |
|---|------------------------------|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-133 | REV 5 |
| MAT'L A36/1018/1020 HR | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH SEE -129 WELDMENT | .XXX ± .010 FRACTIONS ± 1/8 |
| SPEC | .XX ± .03 ANGLES ± 1° |
| | .X ± .1 SURFACES = 125/✓ |
| DRAWN BY: MARPET | 1. BREAK ALL SHARP EDGES |
| CHECKED: MACKOVJAK | .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY |
| QA APPR: LINDSAY | AFTER PLATING |
| APPROVED: GILBERT | 3. INTERPRET DIM AND TOL PER |
| | ASME Y14.5M-2009 |
| SCALE 1:1 | USED ON MODEL |
| DATE 1/24/2013 | AGUSTA AW139 |
| SHEET 34 OF 49 | |

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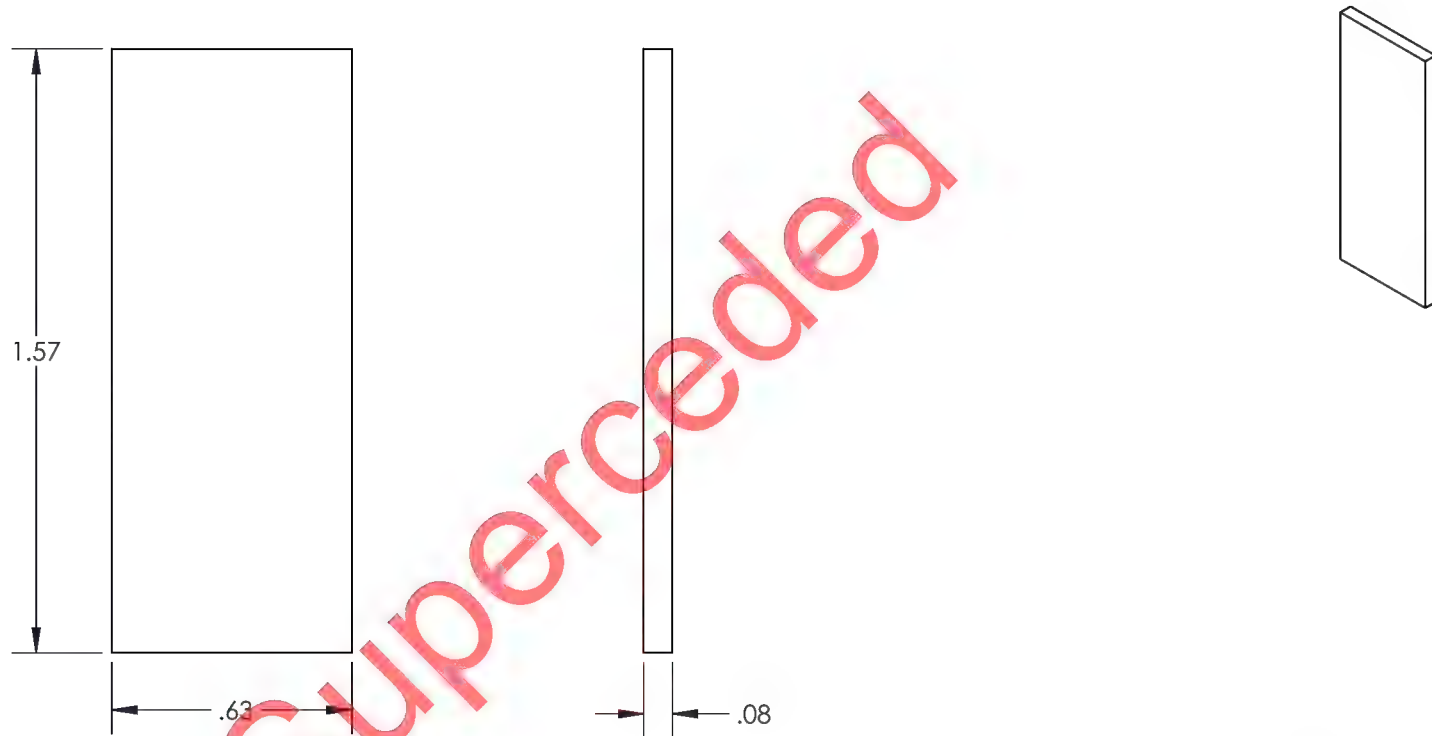
-135

BACK END

| | |
|---|------------------------------|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-135 | REV 5 |
| MAT'L A36/1018/1020 HR | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH SEE -129 WELDMENT | .XXX ± .010 FRACTIONS ± 1/8 |
| SPEC | .XX ± .03 ANGLES ± 1° |
| | .X ± .1 SURFACES = 125/ |
| DRAWN BY: MARPET | 1. BREAK ALL SHARP EDGES |
| CHECKED: MACKOVJAK | .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY |
| QA APPR: LINDSAY | AFTER PLATING |
| APPROVED: GILBERT | 3. INTERPRET DIM AND TOL PER |
| | ASME Y14.5M-2009 |
| SCALE 1:1 | DATE 1/24/2013 |
| | SHEET 35 OF 49 |

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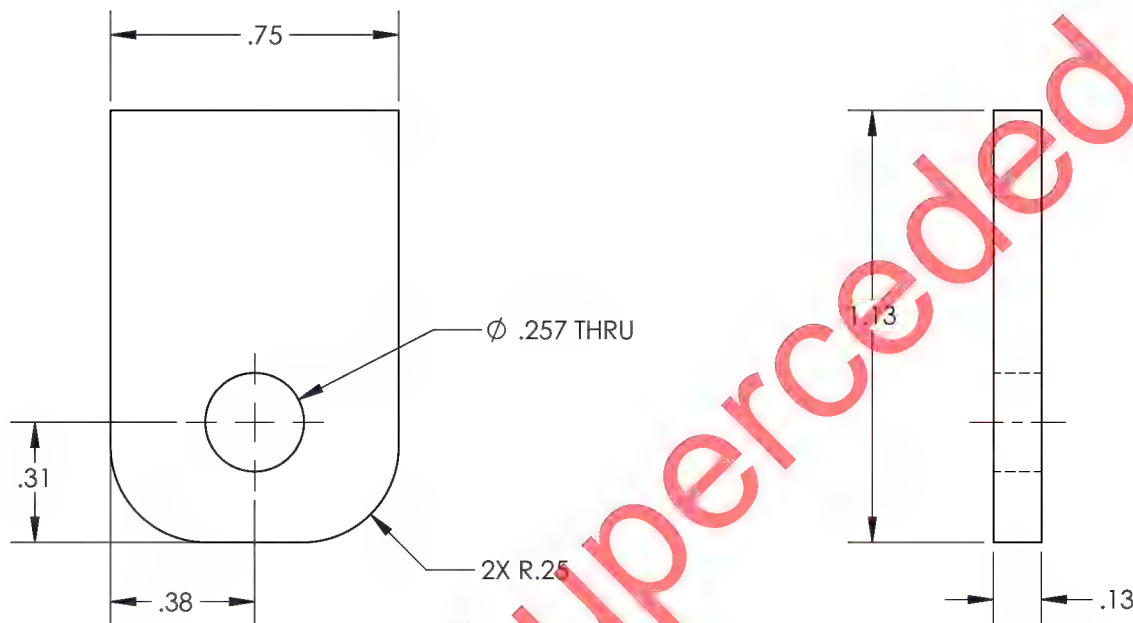
(-137)

FRONT END

| | |
|---|------------------------------|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-137 | REV 5 |
| MAT'L A36/1018/1020 HR | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH SEE -129 WELDMENT | .XXX ± .010 FRACTIONS ± 1/8 |
| SPEC | .XX ± .03 ANGLES ± 1° |
| | .X ± .1 SURFACES = 125 |
| DRAWN BY: MARPET | 1. BREAK ALL SHARP EDGES |
| CHECKED: MACKOVJAK | .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY |
| QA APPR: LINDSAY | AFTER PLATING |
| APPROVED: GILBERT | 3. INTERPRET DIM AND TOL PER |
| | ASME Y14.5M-2009 |
| | USED ON MODEL |
| | AGUSTA AW139 |
| SCALE 2:1 | DATE 1/24/2013 |
| | SHEET 36 OF 49 |

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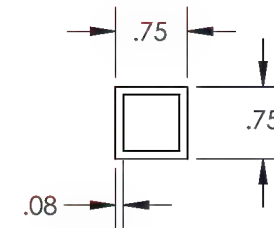
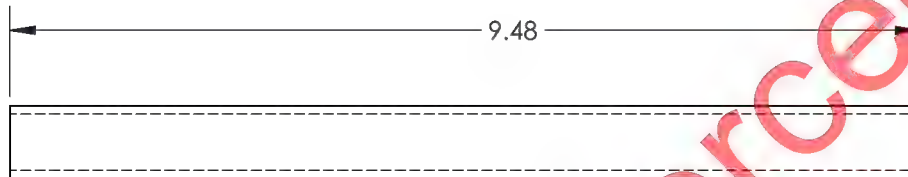
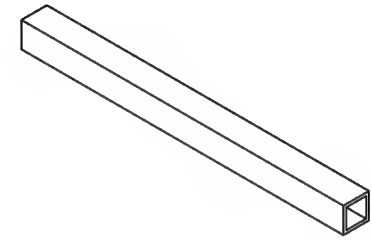
-139

TAB

| | |
|---|------------------------------|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-139 | REV 5 |
| MAT'L A36/1018/1020 HR | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH SEE -129 WELDMENT | .XXX ± .010 FRACTIONS ± 1/8 |
| SPEC | .XX ± .03 ANGLES ± 1° |
| | .X ± .1 SURFACES = 125° ✓ |
| DRAWN BY: MARPET | 1. BREAK ALL SHARP EDGES |
| CHECKED: MACKOVJAK | .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY |
| QA APPR: LINDSAY | AFTER PLATING |
| APPROVED: GILBERT | 3. INTERPRET DIM AND TOL PER |
| | ASME Y14.5M-2009 |
| SCALE 2:1 | DATE 1/24/2013 |
| | SHEET 37 OF 49 |

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| | | | INITIAL |
| | | | APPROVED |



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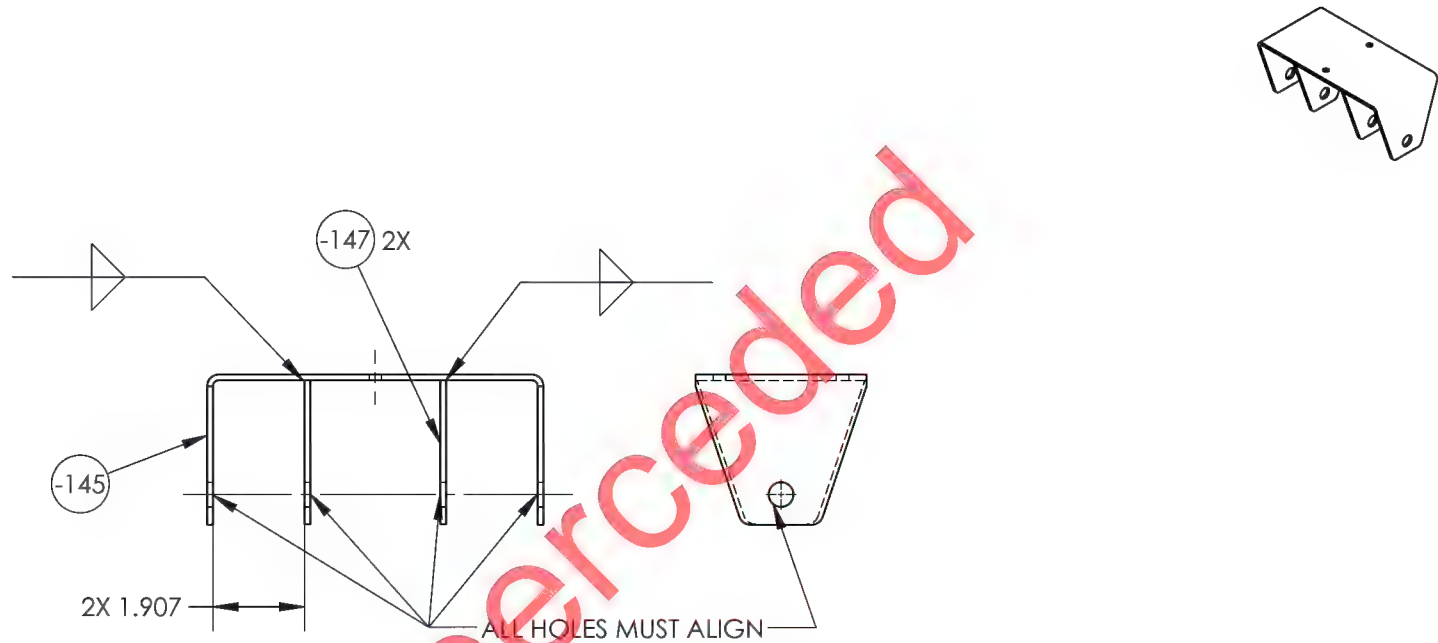
(-141)

HANDLE

| | |
|---|------------------------------|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-141 | REV 5 |
| MAT'L STEEL | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH SEE -129 WELDMENT | .XXX ± .005 FRACTIONS ± 1/8 |
| SPEC | .XX ± .01 ANGLES ± .5° |
| | .X ± .1 SURFACES = 125° ✓ |
| DRAWN BY: MARPET | 1. BREAK ALL SHARP EDGES |
| CHECKED: MACKOVJAK | .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY |
| QA APPR: LINDSAY | AFTER PLATING |
| APPROVED: GILBERT | 3. INTERPRET DIM AND TOL PER |
| | ASME Y14.5M-2009 |
| SCALE 1:2 | DATE 1/24/2013 |
| | SHEET 38 OF 49 |

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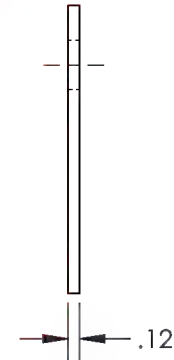
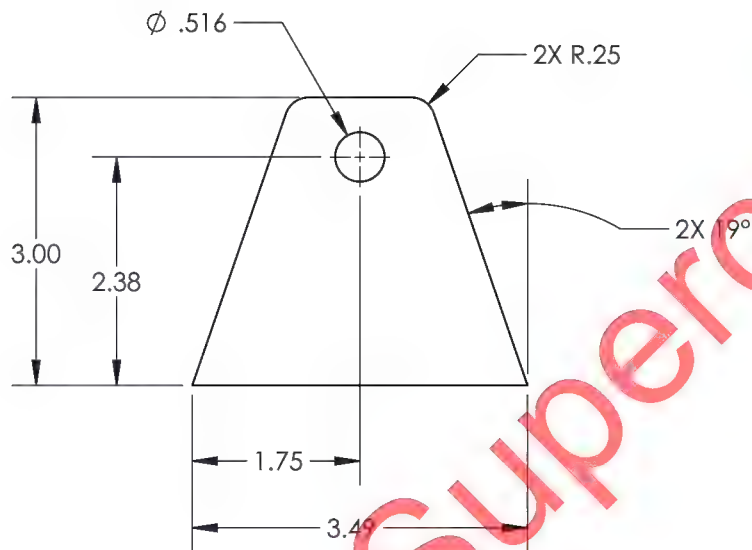
-143

FRONT WHEEL BRACKET WELDMENT

| | |
|--|--|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-143 | REV 5 |
| MAT'L REPT TREAT FINISH SPEC | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| DRAWN BY: CHECKED: OPPS APPR: QA APPR: APPROVED: | MARPET MACKOVJAK ANDERSON LINDSAY GILBERT |
| SCALE 1:4 | DATE 1/29/2013 USED ON MODEL AGUSTA AW139 SHEET 39 OF 49 |

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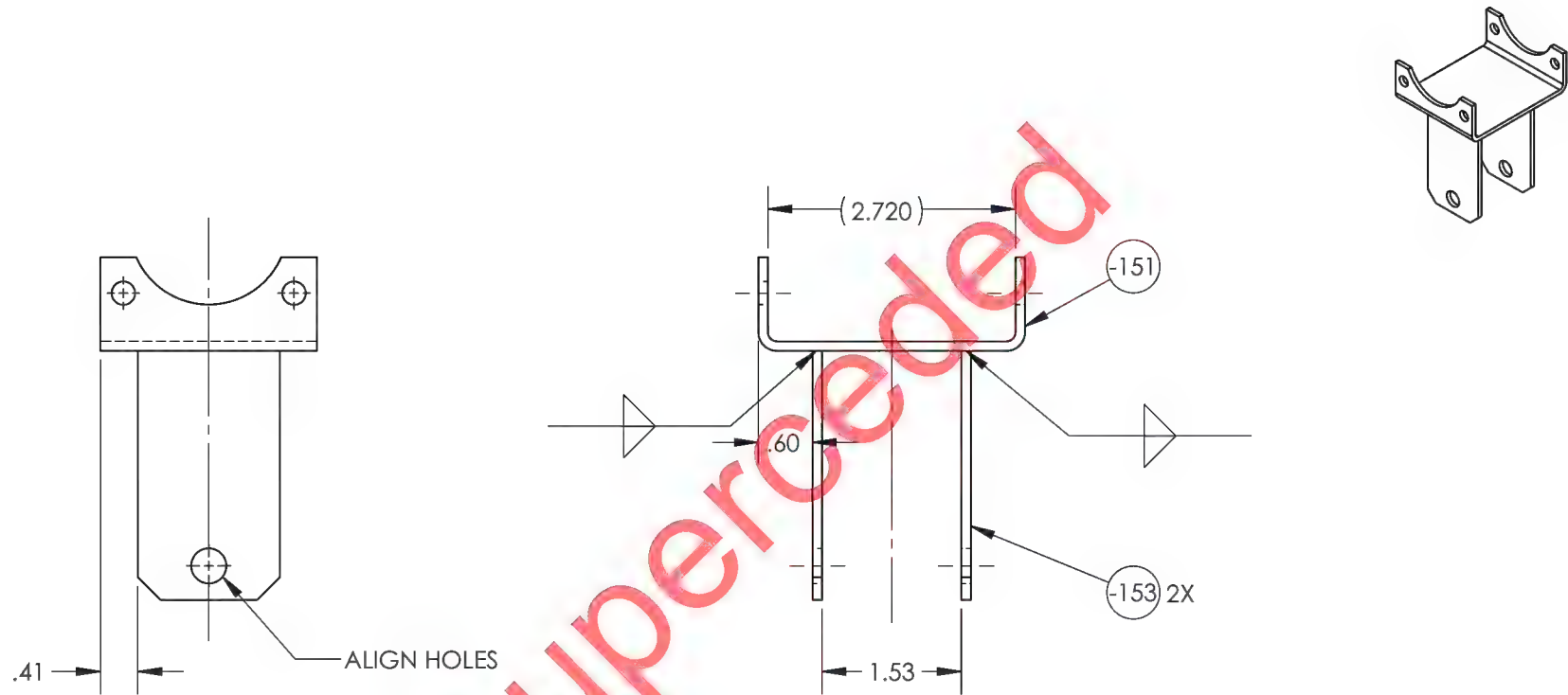
-147

FRONT WHEEL BRACKET GUSSET

| | |
|---|---|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-147 | REV 5 |
| MAT'L A36/1018/1020 HR | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH SEE -143 WELDMENT | .XXX ± .010 FRACTIONS ± 1/8 |
| SPEC | .XX ± .03 ANGLES ± 1° |
| | .X ± .1 SURFACES = 125° ✓ |
| DRAWN BY: MARPET | 1. BREAK ALL SHARP EDGES |
| CHECKED: MACKOVJAK | .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY |
| QA APPR: LINDSAY | AFTER PLATING |
| APPROVED: GILBERT | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| SCALE 1:2 | USED ON MODEL |
| DATE 1/28/2013 | AGUSTA AW139 |
| SHEET 41 OF 49 | |

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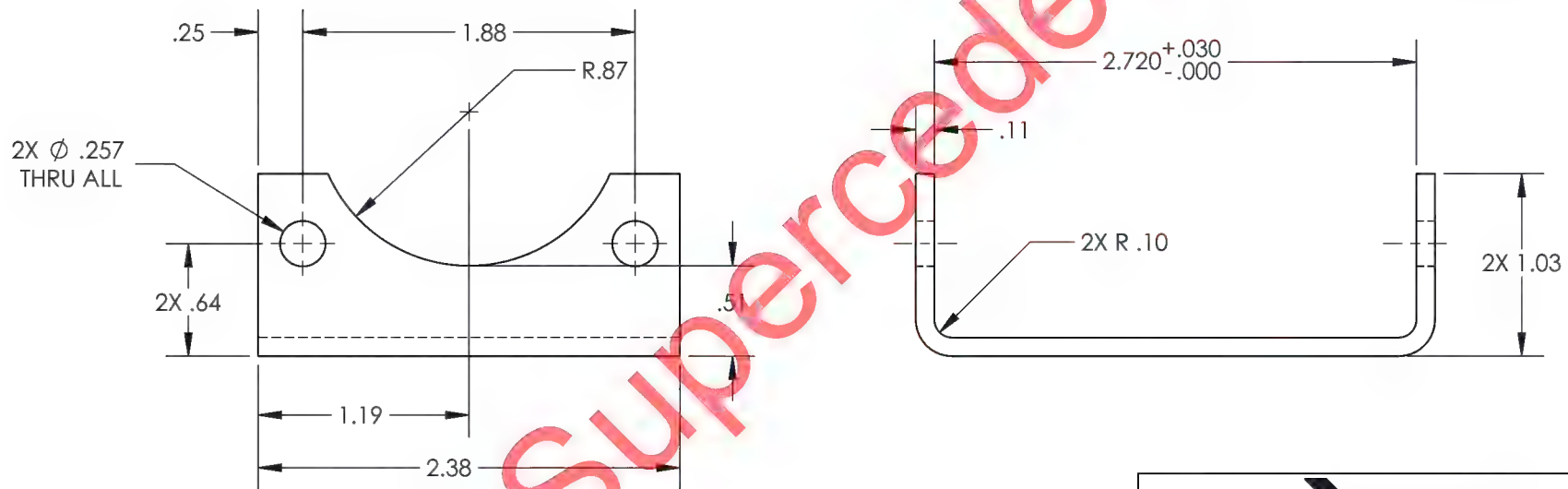
-149

REAR WHEEL BRACKET WELDMENT

| | |
|---|--|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-149 | REV 5 |
| MAT'L 6061-T6 ALUMINUM | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES |
| FINISH POWDER COAT YELLOW | .XXX ± .010 FRACTIONS ± 1/8 |
| SPEC FED #13538 | .XX ± .03 ANGLES ± 1° |
| DRAWN BY: MARPET | .X ± .1 SURFACES = 125° ✓ |
| CHECKED: MACKOVJAK | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| QA APPR: LINDSAY | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| APPROVED: GILBERT | USED ON MODEL AGUSTA AW139 |
| SCALE 1:2 | DATE 1/30/2013 |
| SHEET 42 OF 49 | |

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| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 4 | 16-0029 | -151 CH'D DIM WAS 2.66 IS 2.720 +.030-.000. | 2/10/2016 | RJC | JAG |



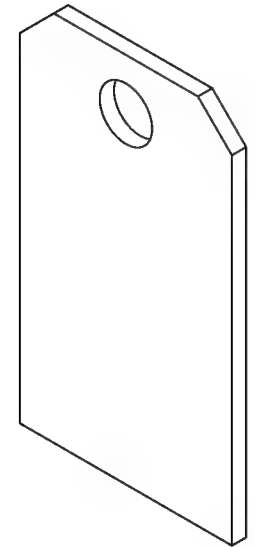
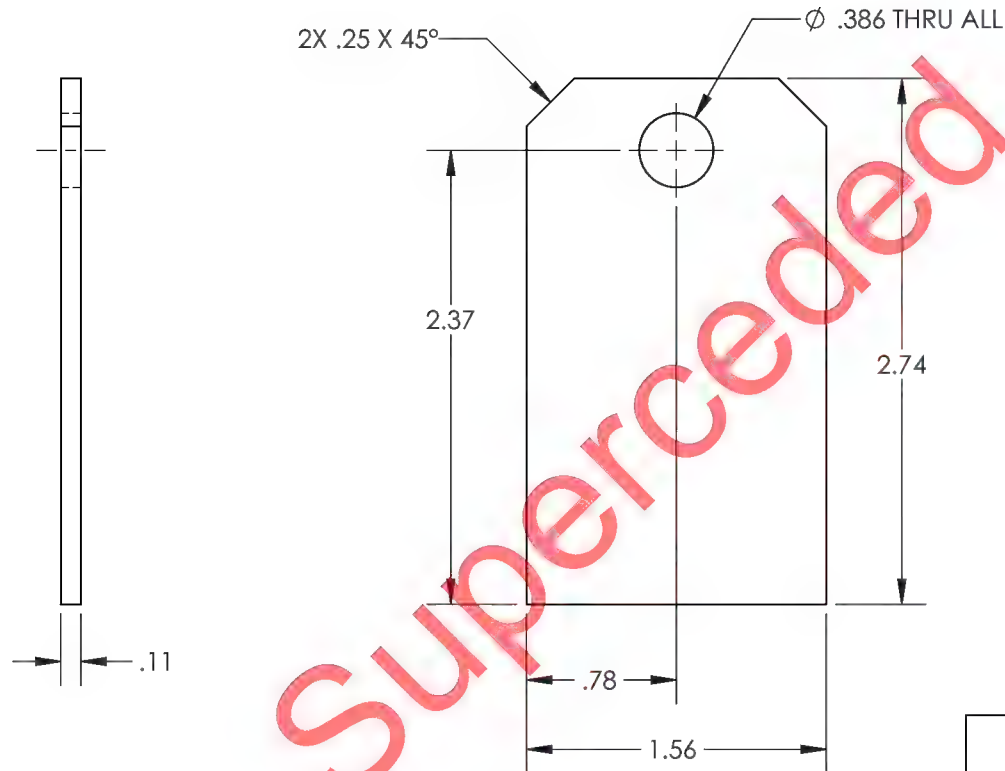
(-151)

REAR WHEEL FRAME

| | |
|------------------------------------|--|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-151 | REV 5 |
| MAT'L A36/1018/1020 HR | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES |
| HEAT TREAT | .XXX ± .010 FRACTIONS ± 1/8 |
| FINISH SEE -149 WELDMENT | .XX ± .03 ANGLES ± 1° |
| SPEC | .X ± .1 SURFACES = 125° ✓ |
| DRAWN BY: MARPET | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R |
| CHECKED: MACKOVJAK | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| OPPS APPR: ANDERSON | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| QA APPR: LINDSAY | USED ON MODEL |
| APPROVED: GILBERT | AGUSTA AW139 |
| SCALE 1:1 | DATE 1/28/2013 |
| SHEET 43 OF 49 | |

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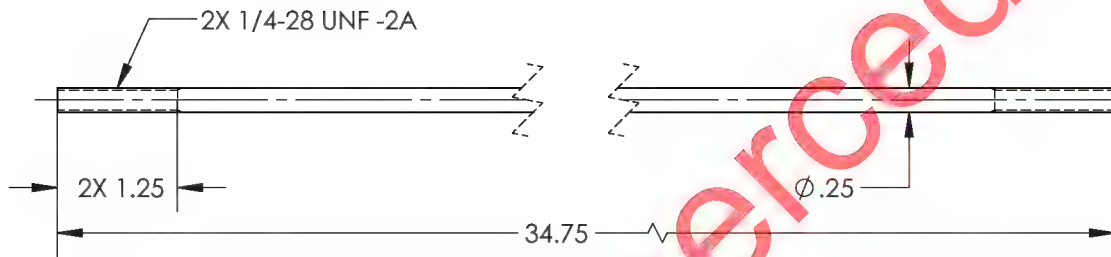


(-153)
REAR WHEEL VERT. SUPPORT

| | |
|---|------------------------------|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-153 | REV 5 |
| MAT'L A36/1018/1020 HR | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH SEE -149 WELDMENT | .XXX ± .010 FRACTIONS ± 1/8 |
| SPEC | .XX ± .03 ANGLES ± 1° |
| | .X ± .1 SURFACES = 125° ✓ |
| DRAWN BY: MARPET | 1. BREAK ALL SHARP EDGES |
| CHECKED: MACKOVJAK | .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY |
| QA APPR: LINDSAY | AFTER PLATING |
| APPROVED: GILBERT | 3. INTERPRET DIM AND TOL PER |
| | ASME Y14.5M-2009 |
| SCALE 1:1 | DATE 1/28/2013 |
| | SHEET 44 OF 49 |

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| REVISIONS | | | | |
|-----------|-----|-------------|------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL |
| | | | | APPROVED |



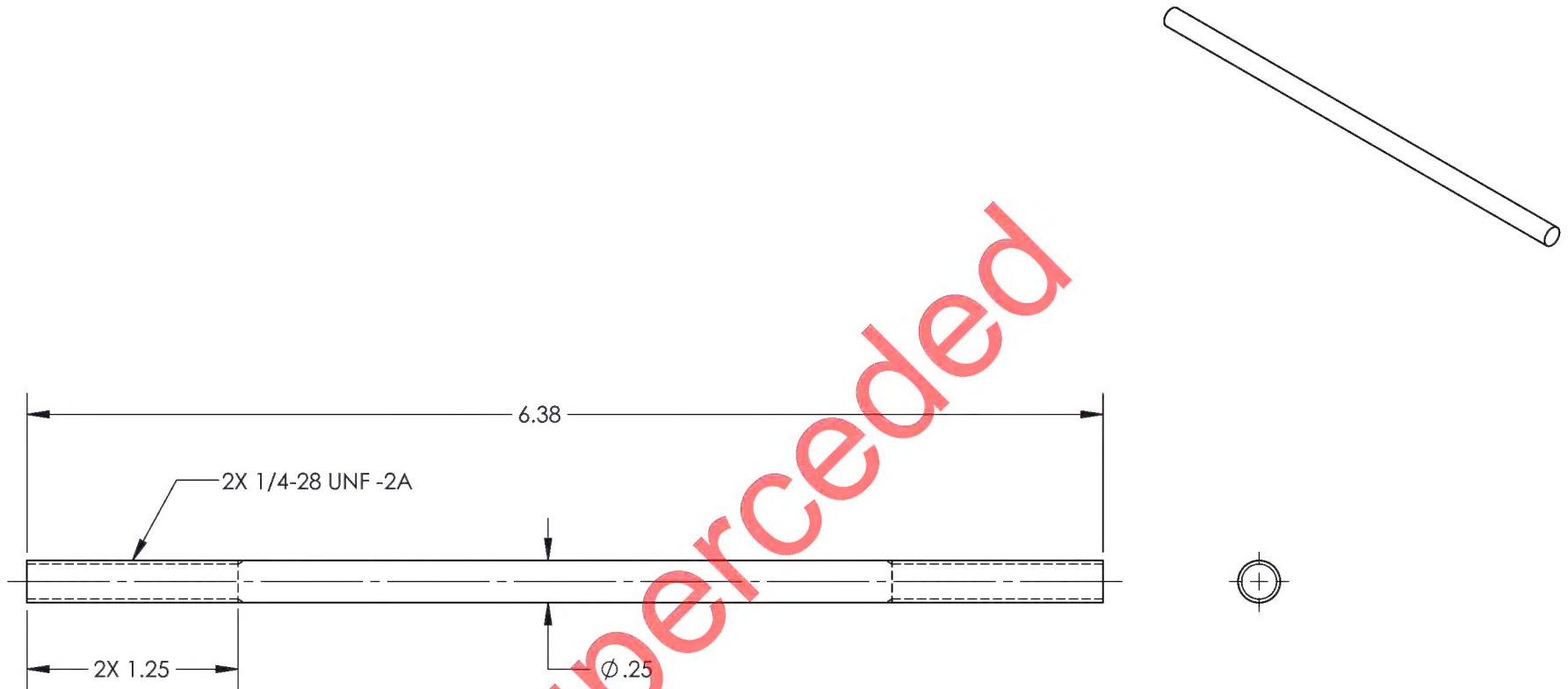
(-157)

THREADED ROD

| | |
|---|---|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-157 | REV 5 |
| MAT'L 1018/1020 CR | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH ZINC PLATE | .XXX ± .005 FRACTIONS ± 1/8 |
| SPEC ASTM B633 TYPE I SC 2 | .XX ± .01 ANGLES ± 5° |
| DRAWN BY: MARPET | .X ± .1 SURFACES = 125 |
| CHECKED: MACKOVJAK | 1. BREAK ALL SHARP EDGES |
| OPPS APPR: ANDERSON | .015 x 45° OR .015R |
| QA APPR: LINDSAY | 2. DIMENSIONAL LIMITS APPLY |
| APPROVED: GILBERT | AFTER PLATING |
| | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| | USED ON MODEL |
| | AGUSTA AW139 |
| SCALE 1:2 | DATE 1/28/2013 |
| | SHEET 45 OF 49 |

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| REV | ECR | DESCRIPTION | DATE | INITIAL |
| | | | | APPROVED |



Superseded

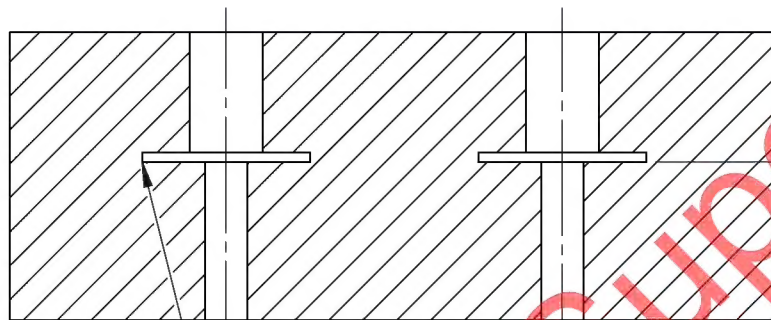
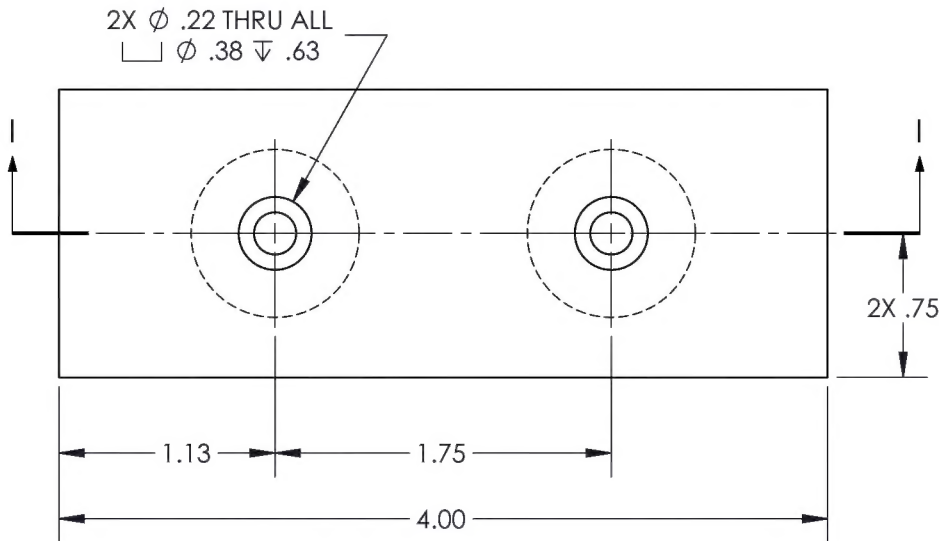
-159

THREADED ROD

| | |
|---|---|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-03-159 | REV 5 |
| MAT'L 1018/1020 CR | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH ZINC PLATE | .XXX ± .005 FRACTIONS ± 1/8 |
| SPEC ASTM B633 TYPE I SC 2 | .XX ± .01 ANGLES ± 5° |
| DRAWN BY: MARPET | .X ± .1 SURFACES = 125° |
| CHECKED: MACKOVJAK | 1. BREAK ALL SHARP EDGES |
| OPPS APPR: ANDERSON | .015 x 45° OR .015R |
| QA APPR: LINDSAY | 2. DIMENSIONAL LIMITS APPLY |
| APPROVED: GILBERT | AFTER PLATING |
| SCALE 1:1 | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| DATE 1/28/2013 | USED ON MODEL |
| SHEET 46 OF 49 | AGUSTA AW139 |

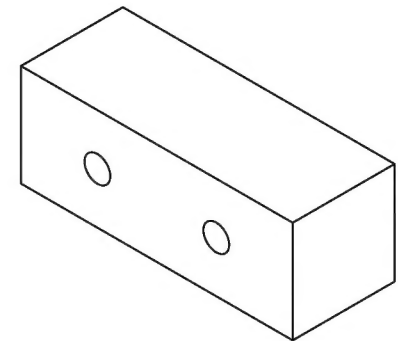
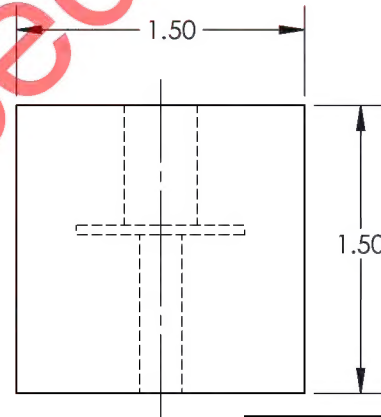
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| REVISIONS | | | | | |
|-----------|---------|--|----------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 4 | 16-0029 | -161 CH'D DIM WAS 2X ϕ .266 THRU ALL \square ϕ .44 ∇ .63 IS 2X ϕ .22 THRU ALL \square ϕ .38 ∇ .63. | 2/9/2016 | RJC | JAG |



SECTION I-I

2X MOLD -257 INTO CAST



NOTE:
CAST AS REQUIRED.

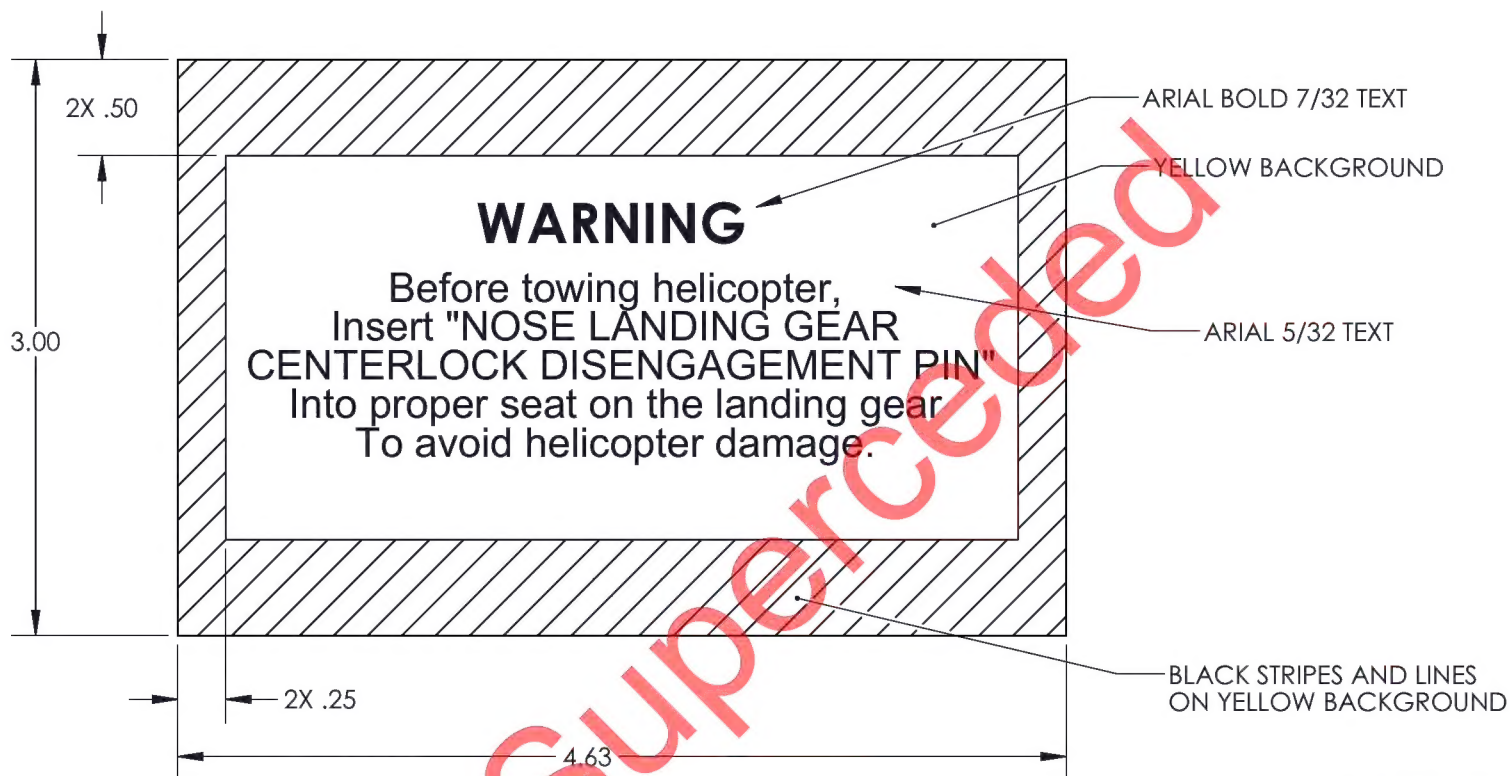
-161

PAD

| | |
|--|--------------------|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G0134-3G-03-161 | REV 5 |
| MAT'L URETHANE 60A | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | |
| .XXX \pm .010 FRACTIONS \pm 1/8 | |
| .XX \pm .03 ANGLES \pm 1° | |
| .X \pm .1 SURFACES = 125° | |
| SPEC | |
| 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R | |
| 2. DIMENSIONAL LIMITS APPLY AFTER PLATING | |
| 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 | |
| DRAWN BY: | CLOUGH |
| CHECKED: | MACKOVJAK |
| OPPS APPR: | ANDERSON |
| QA APPR: | LINDSAY |
| APPROVED: | GILBERT |
| USED ON MODEL AGUSTA AW139 | |
| SCALE 1:1 | DATE 11/19/2012 |
| SHEET 47 OF 49 | |

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| REVISIONS | | | | |
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| REV | ECR | DESCRIPTION | DATE | INITIAL |
| | | | | APPROVED |



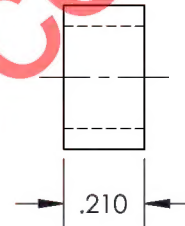
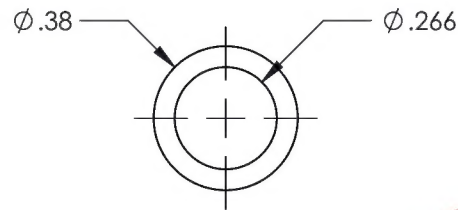
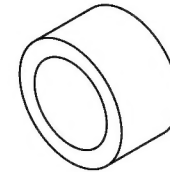
(-237)

WARNING STICKER WITH ADHESIVE BACK

| | |
|---|------------------------------|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-36-03-237 | REV 5 |
| MAT'L VINYL | UNLESS OTHERWISE SPECIFIED |
| FEAT | DIMENSIONS ARE IN INCHES |
| TREAT | .XXX ± .010 FRACTIONS ± 1/8 |
| FINISH | .XX ± .03 ANGLES ± 1° |
| | .X ± .1 SURFACES = 125° |
| SPEC | 1. BREAK ALL SHARP EDGES |
| DRAWN BY: MARPET | .015 x 45° OR .015R |
| CHECKED: MACKOVJAK | 2. DIMENSIONAL LIMITS APPLY |
| OPPS APPR: ANDERSON | AFTER PLATING |
| QA APPR: LINDSAY | 3. INTERPRET DIM AND TOL PER |
| APPROVED: GILBERT | ASME Y14.5M-2009 |
| SCALE 1:1 | USED ON MODEL |
| DATE 2/5/2013 | SHEET 48 OF 49 |

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| REVISIONS | | | | | |
|-----------|---------|--------------------------------------|----------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 3 | 14-0228 | -251 ADDED DRAWING FOR MODIFIED B/O. | 2/2/2015 | RJC | JAG |



Superseded

(-251)

SLEEVE

| | |
|--|---|
| DART AEROSPACE | |
| TITLE TOW DOLLY | |
| DWG NO. RBW0905G00134-3G-251 | REV 5 |
| MAT'L BRONZE | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH | .XXX ± .005 FRACTIONS ± 1/8 |
| SPEC | .XX ± .01 ANGLES ± .5° |
| | .X ± .1 SURFACES = 125/✓ |
| DRAWN BY: CLOUGH | 1. BREAK ALL SHARP EDGES |
| CHECKED: MACKOVJAK | .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY |
| QA APPR: LINDSAY | AFTER PLATING |
| APPROVED: GILBERT | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| SCALE 2:1 | DATE 1/23/2013 |
| | SHEET 49 OF 49 |